

Draft Statewide *E. coli* Total Maximum Daily Load (TMDL)
Addendum – 2024
Impaired Water Bodies and Percent Reductions

This draft addendum contains a list of water bodies that are covered by the Statewide *E. coli* TMDL (Table 1). Additionally, addenda to other approved *E. coli* TMDLs are listed (Table 2). All biennial updates of the Sections 303(d), 305(b), and 314 Integrated Report will be accompanied by an addendum intended to build on Appendix 1 of the Statewide *E. coli* TMDL, as summarized in Section 1.2 of the [Statewide *E. coli* TMDL](#) and described in more detail in Appendix 2.

For each water body in Tables 1 and 2, the ultimate water quality goal is to meet the requirements for removal from the Section 303(d) list contained in the Assessment Methodology Section of the most recently approved Integrated Report. The data summarized for each water body includes all sample results used for the 2024 assessment. This is generally data from 2021 and 2022 for rivers, and 2019-2022 for beaches. Pursuant to the assessment methodology, newer or older data may be used to support the decision. For beaches only, the 2024 assessment methodology allows for the Michigan Department of Environment, Great Lakes, and Energy (EGLE) to use the results of three (or more) composited samples collected on a sampling event, where a sufficient number of geometric means of samples are not available (See [draft 2024 Report](#)). The information in Columns 3-12 of this addendum is provided for informational purposes only, to assist stakeholders in determining the magnitude of the problem in a specific water body.

The extent of the water bodies listed below, as well as the locations of monitoring stations and data used to make the assessment decisions, can be viewed on the [E. coli Pollution and Solution Mapper](#).

In order to give stakeholders an overview of the water quality in the impaired waters, Tables 1 and 2 provide the following:

Column 1 - Assessment Unit Identifier (AUID) - Michigan uses the National Hydrography Dataset to organize and identify water bodies for the Section 303(d) and 305(b) lists. A base assessment unit is a 12-digit hydrologic unit code (HUC), which may be split further into smaller assessment units depending on information such as land use, known areas of contamination, specific fish consumption advisories, physical barriers such as dams, etc. Each assessment unit is assigned a numeric identifier (AUID) and may consist of all water bodies in a 12-digit HUC (as a maximum) or specific stream segments or lakes located in that HUC. AUIDs may also be lakes or points, such as in the case of clearly defined and monitored bathing beaches or public water supply intakes.

Column 2 - Water Body Type - AUIDs can be public access points (beaches or boat launches), rivers, streams, lakes, public water supply intakes, or shorelines. Beaches where composite results were used for assessment determination are marked with a superscript “C.” If both composite results and geometric means of individual samples were used to determine the designated use attainment status, then only geometric means are presented in the summary calculations.

Column 3 - n (number) - Number of daily geometric means or composite results that were used in the calculation of Column 4 (geometric mean of all data in each AUID). The data for all sites in a river segment AUID are combined for the total number of daily geometric means.

Column 4 - Mean (*E. coli*) - Geometric mean of all available data within the AUID (river segment, lake, or beach). An arithmetic mean (average) is provided for beaches where assessment decisions are based on composited sample results. This value is used for calculating Column 5 (percent reduction) for informational purposes only but is not used in evaluating attainment status for assessment purposes. This number cannot be compared to the daily or 30-day water quality standard (WQS), since it contains data from more than one day, and potentially more than one site or 30-day period. Data are only included if they meet the criteria of three or more individual samples during the same sampling event (either analyzed separately or composited). Values are in *E. coli* per 100 milliliters (mL).

Column 5 - Percent Reduction - This value, provided for informational purposes, represents the amount of reduction that would be necessary for the geometric mean of all data or the average of all data (Column 4) to reach the 300 *E. coli* per 100 mL daily threshold. Attaining this reduction does not necessarily mean that the water body will be removed from the TMDL. The assessment methodology contained in the most recently approved Integrated Report determines the criteria for removal of a water body from the impairment status. In some cases, the percent reduction is not provided because the geometric mean or average in Column 4 was less than the 300 *E. coli* per 100 mL daily threshold. In all cases, the water quality goal is to meet the threshold for removal of the impairment following the Assessment Methodology section of the most recently approved Integrated Report.

Column 6 - Number of 30-Day Values - Number of results for comparison with the 30-day Total Body Contact (TBC) WQS of 130 *E. coli* per 100 mL. For most waters, this is the number of 30-day geometric means that were calculated and used in the calculation of the Percent 30-Day TBC Exceedance (Column 7). In cases where 30-day geometric means were not calculated due to the use of composite sampling, this number is identical to Column 3. This number is used in the calculation of the Percent 30-Day Exceedance (Column 7).

Column 7 - Percent 30-Day TBC Exceedance - Percent of available 30-day geometric means (Column 6) that are exceeding the threshold of 130 *E. coli* per 100 mL. If only one 30-day geometric mean is available, this value will be 0 or 100 percent. In cases where 30-day geometric means were not calculated due to the use of composite sampling, this column is the percent of composite sample results exceeding the threshold of 130 *E. coli* per 100 mL on a daily basis.

Column 8 - Percent Daily TBC Exceedances - Percent of daily geometric means or composite results ("n," Column 3) that exceed the 300 *E. coli* per 100 mL threshold.

Column 9 - Percent Partial Body Contact (PBC) Exceedance - Percent of daily geometric means or composite results ("n," Column 3) that exceed the 1,000 *E. coli* per 100 mL threshold.

Column 10 - Interstate Waters - Inland waters that flow directly out of Michigan to other states, or from other states into Michigan, are flagged with the direction of flow and the state involved; for example, waters marked "To Wisconsin" leave Michigan and enter

Wisconsin. Waters are only flagged if EGLE has evidence of an impairment that extends to our border.

Column 11 - Code - This column contains notes that are unique to the water body:

Data2: The summary for this water body is based on contiguous upstream or downstream river segment with consistent land use patterns ($n > 5$). The data summary includes all data for all sites in the upstream and/or downstream river segment(s). Details are available upon request.

Annual: This water body has a large dataset where the broader dataset used in this summary show a small percentage of WQS exceedances. But, on an annual basis, data show an impairment according to the applicable current Assessment Methodology.

Restored: Recent data are sufficient to categorize this water body as 'fully attaining' the applicable WQS (using the criteria for removal of the impairment in the Assessment Methodology section) and actions have taken place to address the known sources; however, it remains protected by the TMDL.

Column 12 – Statistic Used: The statistic that was used to generate Columns 3-9. If 5 or more daily geometric means were available for a water body, then geometric means were used even if composite results were available. If less than 5 geometric means were available, then composites were used, and the statistic used was an average.

If you need this information in an alternate format, contact EGLE-Accessibility@Michigan.gov or call 800-662-9278.

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Table 1. Draft 2024 Addendum to the Statewide *E. coli* Total Maximum Daily Load.

Watershed Name: 0402010101 - Mineral River-Frontal Lake Superior, Black-Presque Isle

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201010105-02	Great Lakes Beach	43	5	NA %	0	NA %	5 %	0 %		Annual	Geometric Mean

Watershed Name: 0402010201 - South Branch Ontonagon River, Ontonagon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201020111-02	River	7	165	NA %	1	0 %	14 %	12 %			Geometric Mean

Watershed Name: 0402010204 - Ontonagon River, Ontonagon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201020404-06	Inland Lake Beach	38	11	NA %	0	NA %	8 %	0 %		Annual	Geometric Mean

Watershed Name: 0402010301 - Firesteel River-Frontal Lake Superior, Keweenaw Peninsula

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201030101-02	Great Lakes Beach	44	7	NA %	0	NA %	2 %	0 %		Annual	Geometric Mean

Watershed Name: 0402010302 - Misery River-Frontal Lake Superior, Keweenaw Peninsula

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201030202-03	Great Lakes Beach	10	48	NA %		NA %	10 %	0 %			Geometric Mean

Watershed Name: 0402010304 - Gratiot River-Frontal Lake Superior, Keweenaw Peninsula

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201030401-03	River	7	101	NA %	1	100 %	0 %	0 %			Geometric Mean
MI040201030403-01	River	7	24	NA %	1	0 %	14 %	0 %			Geometric Mean
MI040201030405-03	River	7	67	NA %	1	0 %	14 %	12 %			Geometric Mean

Watershed Name: 0402010402 - Sturgeon River, Sturgeon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201040201-01	River	5	288	NA %	1	100 %	40 %	0 %			Geometric Mean
MI040201040204-01	River	12	86	NA %	2	0 %	17 %	0 %			Geometric Mean
MI040201040208-04	River	7	43	NA %	1	0 %	14 %	0 %			Geometric Mean

Watershed Name: 0402010501 - Carp River-Frontal Lake Superior, Dead Kelsey

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201050106-03	Great Lakes Beach	60	24	NA %	34	0 %	10 %	2 %			Geometric Mean

Watershed Name: 0402010502 - Dead River, Dead Kelsey

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201050205-08	Great Lakes Beach	54	47	NA %	28	21 %	4 %	0 %			Geometric Mean

Watershed Name: 0402010506 - Falls River-Frontal Lake Superior, Dead Kelsey

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040201050601-03	River	10	163	NA %	2	100 %	40 %	20 %			Geometric Mean
MI040201050601-06	River	5	231	NA %	1	100 %	40 %	0 %			Geometric Mean

Watershed Name: 0402020203 - Hendrie River, Tahquamenon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040202020301-02	River	7	222	NA %	1	100 %	29 %	0 %			Geometric Mean

Watershed Name: 0402020301 - Ankodosh Creek-Frontal Lake Superior, Waiska

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040202030102-02	River	7	84	NA %	1	0 %	14 %	0 %			Geometric Mean
MI040202030105-02	Great Lakes Beach	38	13	NA %	20	5 %	3 %	0 %		Restored	Geometric Mean

Watershed Name: 0403010601 - North Branch Paint River, Brule

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301060102-01	River	7	125	NA %	1	100 %	43 %	0 %			Geometric Mean
MI040301060104-02	River	7	47	NA %	1	0 %	14 %	12 %			Geometric Mean

Watershed Name: 0403010604 - Paint River, Brule

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301060405-05	Inland Lake Beach	20	7	NA %	12	0 %	5 %	0 %		Annual	Geometric Mean
MI040301060409-03	River	6	156	NA %	1	100 %	33 %	14 %			Geometric Mean

Watershed Name: 0403010804 - Sturgeon River, Menominee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (E. coli)	Column 5: % Reduction	Column 6: # of 30-Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301080406-02	River	5	95	NA %	1	0 %	20 %	0 %			Geometric Mean
MI040301080407-02	River	5	195	NA %	1	100 %	20 %	20 %			Geometric Mean
MI040301080407-04	River	5	195	NA %	1	100 %	20 %	20 %		Data2	Geometric Mean
MI040301080407-07	River	7	130	NA %	1	100 %	43 %	0 %			Geometric Mean

Watershed Name: 0403010808 - Little Cedar River, Menominee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (E. coli)	Column 5: % Reduction	Column 6: # of 30-Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301080801-01	River	5	144	NA %	1	100 %	40 %	0 %			Geometric Mean
MI040301080801-02	River	5	729	59 %	1	100 %	100 %	20 %		Data2	Geometric Mean
MI040301080801-03	River	5	125	NA %	1	0 %	40 %	0 %			Geometric Mean
MI040301080802-01	River	7	149	NA %	1	100 %	29 %	0 %			Geometric Mean
MI040301080803-01	River	5	729	59 %	1	100 %	100 %	20 %			Geometric Mean
MI040301080804-01	River	5	729	59 %	1	100 %	100 %	20 %		Data2	Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301080805-01	River	5	729	59 %	1	100 %	100 %	20 %	Out To Wisconsin		Geometric Mean

Watershed Name: 0403010809 - Menominee River, Menominee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301080901-01	River	10	140	NA %	2	50 %	20 %	0 %			Geometric Mean
MI040301080907-01	River	5	374	20 %	1	100 %	60 %	20 %	Out To Wisconsin		Geometric Mean

Watershed Name: 0403010902 - Ford River, Cedar-Ford

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301090203-01	River	14	118	NA %	2	50 %	14 %	6 %			Geometric Mean

Watershed Name: 0403010904 - Cedar River, Cedar-Ford

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301090408-01	River	7	216	NA %	1	100 %	57 %	0 %			Geometric Mean

Watershed Name: 0403011102 - Rapid River-Frontal Little Bay De Noc, Tacoosh-Whitefish

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040301110205-01	River	7	366	18 %	1	100 %	71 %	12 %			Geometric Mean
MI040301110210-03	Great Lakes Beach	44	23	NA %	27	0 %	9 %	0 %		Annual	Geometric Mean

Watershed Name: 0404000101 - Trail Creek-Frontal Lake Michigan, Little Calumet-Galien

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040400010101-04	Great Lakes Beach	63	47	NA %	63	10 %	5 %	0 %		Annual	Average
MI040400010101-07	Great Lakes Beach	50	126	NA %	50	16 %	8 %	4 %			Average
MI040400010101-08	Great Lakes Beach	67	129	NA %	67	16 %	9 %	3 %			Average

Watershed Name: 0405000104 - Swan Creek-St Joseph River, St. Joseph

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500010401-01	River	5	338	11 %	1	100 %	40 %	20 %		Data2	Geometric Mean
MI040500010404-05	River	5	510	41 %	1	100 %	60 %	20 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500010404-06	River	5	338	11 %	1	100 %	40 %	20 %			Geometric Mean

Watershed Name: 0405000105 - Portage River, St. Joseph

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500010503-01	Inland Lake Beach	65	14	NA %	44	2 %	6 %	2 %		Annual	Geometric Mean

Watershed Name: 0405000107 - Prairie River, St. Joseph

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500010702-01	River	25	945	68 %	5	100 %	100 %	20 %			Geometric Mean
MI040500010703-01	River	5	2,558	88 %	1	100 %	100 %	80 %			Geometric Mean
MI040500010703-02	River	5	744	60 %	1	100 %	60 %	40 %		Data2	Geometric Mean
MI040500010703-03	River	5	744	60 %	1	100 %	60 %	40 %		Data2	Geometric Mean
MI040500010704-01	River	5	1,436	79 %	1	100 %	100 %	40 %			Geometric Mean
MI040500010704-03	River	10	578	48 %	2	100 %	60 %	30 %			Geometric Mean
MI040500010705-01	River	5	1,440	79 %	1	100 %	100 %	40 %		Data2	Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500010705-02	River	5	1,440	79 %	1	100 %	100 %	40 %			Geometric Mean
MI040500010706-01	River	5	981	69 %	1	100 %	80 %	20 %			Geometric Mean
MI040500010706-04	River	5	981	69 %	1	100 %	80 %	20 %		Data2	Geometric Mean

Watershed Name: 0405000108 - Fawn River, St. Joseph

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500010805-02	River	5	237	NA %	1	100 %	20 %	0 %	In From Indiana		Geometric Mean
MI040500010805-03	River	5	774	61 %	1	100 %	100 %	20 %			Geometric Mean
MI040500010806-04	River	10	572	48 %	2	100 %	60 %	20 %	In/Out To/From Indiana		Geometric Mean

Watershed Name: 0405000201 - Brandywine Creek-Frontal Lake Michigan, Black-Macatawa

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500020102-01	River	5	504	41 %	1	100 %	80 %	20 %			Geometric Mean
MI040500020102-07	Great Lakes Beach	29	8	NA %	0	NA %	3 %	0 %		Annual	Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500020102-08	Great Lakes Beach	29	15	NA %	0	NA %	3 %	3 %		Annual	Geometric Mean

Watershed Name: 0405000202 - Black River, Black-Macatawa

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500020201-03	River	5	423	29 %	1	100 %	40 %	20 %		Data2	Geometric Mean
MI040500020202-01	River	5	423	29 %	1	100 %	40 %	20 %			Geometric Mean
MI040500020202-02	River	5	357	16 %	1	100 %	40 %	20 %			Geometric Mean
MI040500020205-03	River	5	293	NA %	1	100 %	40 %	20 %			Geometric Mean
MI040500020205-04	River	12	272	NA %	2	100 %	58 %	0 %			Geometric Mean
MI040500020205-05	River	5	293	NA %	1	100 %	40 %	20 %		Data2	Geometric Mean
MI040500020206-01	River	5	705	57 %	1	100 %	60 %	40 %		Data2	Geometric Mean
MI040500020207-02	River	10	619	52 %	2	100 %	60 %	30 %		Data2	Geometric Mean
MI040500020208-01	River	5	705	57 %	1	100 %	60 %	40 %		Data2	Geometric Mean
MI040500020208-04	River	5	705	57 %	1	100 %	60 %	40 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500020209-01	River	5	544	45 %	1	100 %	60 %	20 %		Data2	Geometric Mean
MI040500020210-01	River	5	544	45 %	1	100 %	60 %	20 %			Geometric Mean

Watershed Name: 0405000203 - Pigeon River-Frontal Lake Michigan, Black-Macatawa

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500020301-07	Great Lakes Beach	26	17	NA %	4	0 %	4 %	0 %		Annual	Geometric Mean

Watershed Name: 0405000303 - Battle Creek, Kalamazoo

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500030308-03	River	7	138	NA %	1	0 %	14 %	0 %			Geometric Mean

Watershed Name: 0405000306 - Spring Brook-Kalamazoo River, Kalamazoo

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500030601-03	Inland Lake Beach	61	13	NA %	42	5 %	3 %	2 %		Annual	Geometric Mean

Watershed Name: 0405000401 - Headwaters Grand River, Upper Grand

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500040102-01	River	5	455	34 %	1	100 %	80 %	0 %			Geometric Mean
MI040500040103-07	River	5	244	NA %	1	100 %	40 %	0 %			Geometric Mean
MI040500040104-01	River	5	566	47 %	1	100 %	100 %	0 %			Geometric Mean
MI040500040105-01	River	5	1,087	72 %	1	100 %	100 %	40 %			Geometric Mean
MI040500040106-03	River	5	585	49 %	1	100 %	100 %	20 %			Geometric Mean

Watershed Name: 0405000406 - Looking Glass River, Upper Grand

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500040608-04	Inland Lake Beach	29	67	NA %	19	16 %	21 %	0 %			Geometric Mean
MI040500040610-02	River	5	846	65 %	1	100 %	100 %	20 %			Geometric Mean
MI040500040610-03	River	5	858	65 %	1	100 %	100 %	40 %			Geometric Mean
MI040500040610-04	River	5	382	21 %	1	100 %	60 %	0 %			Geometric Mean
MI040500040611-01	River	5	293	NA %	1	100 %	40 %	0 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500040611-02	River	5	813	63 %	1	100 %	100 %	20 %			Geometric Mean
MI040500040612-02	River	20	837	64 %	3	100 %	55 %	45 %			Geometric Mean

Watershed Name: 0405000407 - Sebewa Creek-Grand River, Upper Grand

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500040704-01	River	5	370	19 %	1	100 %	80 %	0 %		Data2	Geometric Mean
MI040500040704-02	River	5	370	19 %	1	100 %	80 %	0 %			Geometric Mean

Watershed Name: 0405000501 - Little Maple River-Maple River, Maple

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500050103-08	Inland Lake Beach	14	259	NA %		NA %	50 %	43 %			Geometric Mean
MI040500050104-04	Inland Lake Beach	28	20	NA %	19	5 %	7 %	4 %		Annual	Geometric Mean

Watershed Name: 0405000503 - Fish Creek, Maple

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500050306-01	River	5	1,291	77 %	1	100 %	100 %	40 %			Geometric Mean

Watershed Name: 0405000602 - Flat River, Lower Grand

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500060202-01	River	7	265	NA %	1	100 %	43 %	12 %		Data2	Geometric Mean

Watershed Name: 0405000604 - Rogue River, Lower Grand

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500060401-04	River	7	222	NA %	1	100 %	43 %	0 %		Data2	Geometric Mean

Watershed Name: 0405000702 - Middle Thornapple River, Thornapple

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500070211-02	Inland Lake Beach	38	20	NA %	9	33 %	8 %	0 %			Geometric Mean

Watershed Name: 0406010102 - Lincoln River, Pere Marquette-White

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601010202-01	River	5	968	69 %	1	100 %	100 %	40 %			Geometric Mean

Watershed Name: 0406010109 - White River, Pere Marquette-White

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601010904-03	Inland Lake Beach	21	54	NA %	21	5 %	5 %	0 %		Annual	Average
MI040601010904-04	Inland Lake Beach	22	117	NA %	22	32 %	14 %	0 %			Average

Watershed Name: 0406010110 - Stony Creek-Frontal Lake Michigan, Pere Marquette-White

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601011004-01	Great Lakes Beach	40	16	NA %	23	0 %	2 %	0 %		Annual	Geometric Mean
MI040601011006-04	River	5	309	3 %	1	100 %	40 %	0 %			Geometric Mean
MI040601011006-05	River	5	1,099	73 %	1	100 %	100 %	60 %			Geometric Mean
MI040601011007-02	River	5	381	21 %	1	100 %	60 %	20 %		Data2	Geometric Mean
MI040601011007-03	River	5	1,491	80 %	1	100 %	100 %	80 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601011009-05	Great Lakes Beach	5	48	NA %		NA %	20 %	0 %			Geometric Mean
MI040601011009-08	Great Lakes Beach	26	35	NA %	4	0 %	8 %	0 %		Annual	Geometric Mean

Watershed Name: 0406010201 - Houghton Lake-Muskegon River, Muskegon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601020104-10	Inland Lake Beach	24	160	NA %	14	71 %	42 %	8 %			Geometric Mean

Watershed Name: 0406010202 - Butterfield Creek-Muskegon River, Muskegon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601020206-02	River	5	1,208	75 %	1	100 %	100 %	20 %			Geometric Mean
MI040601020209-02	River	5	280	NA %	1	100 %	40 %	20 %			Geometric Mean

Watershed Name: 0406010203 - Clam River, Muskegon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601020302-06	Inland Lake Beach	60	88	NA %	60	10 %	5 %	3 %			Average

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601020308-01	River	5	776	61 %	1	100 %	100 %	20 %			Geometric Mean
MI040601020308-02	River	25	1,614	81 %	5	100 %	92 %	68 %			Geometric Mean

Watershed Name: 0406010205 - Middle Branch River-Muskegon River, Muskegon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601020502-01	River	5	452	34 %	1	100 %	80 %	0 %			Geometric Mean
MI040601020503-02	River	10	238	NA %	2	100 %	30 %	0 %			Geometric Mean
MI040601020503-03	River	10	238	NA %	2	100 %	30 %	0 %		Data2	Geometric Mean
MI040601020504-03	River	5	449	33 %	1	100 %	80 %	0 %			Geometric Mean

Watershed Name: 0406010207 - Hardy Dam Pond-Muskegon River, Muskegon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601020705-03	River	7	162	NA %	1	100 %	29 %	0 %			Geometric Mean

Watershed Name: 0406010209 - Brooks Creek-Muskegon River, Muskegon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601020904-07	River	7	738	59 %	1	100 %	86 %	38 %			Geometric Mean
MI040601020905-04	River	5	713	58 %	1	100 %	100 %	20 %			Geometric Mean
MI040601020905-05	River	5	281	NA %	1	100 %	40 %	0 %			Geometric Mean
MI040601020905-10	River	5	1,027	71 %	1	100 %	80 %	40 %			Geometric Mean

Watershed Name: 0406010210 - Muskegon River, Muskegon

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601021001-02	Inland Lake Beach	21	108	NA %	21	5 %	5 %	5 %		Annual	Average
MI040601021001-03	River	10	397	24 %	2	100 %	70 %	0 %			Geometric Mean
MI040601021002-01	Inland Lake Beach	21	49	NA %	21	10 %	5 %	0 %		Annual	Average
MI040601021002-05	River	5	754	60 %	1	100 %	100 %	0 %			Geometric Mean
MI040601021003-08	River	5	994	70 %	1	100 %	100 %	40 %			Geometric Mean
MI040601021004-09	Inland Lake Beach	15	223	NA %	15	13 %	7 %	7 %			Average

Watershed Name: 0406010306 - Little Manistee River, Manistee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601030603-01	River	5	763	61 %	1	100 %	40 %	40 %			Geometric Mean
MI040601030604-01	River	5	256	NA %	1	100 %	40 %	40 %			Geometric Mean

Watershed Name: 0406010404 - Glen Lake-Frontal Lake Michigan, Betsie-Platte

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601040406-07	Great Lakes Beach	40	22	NA %	21	0 %	2 %	0 %		Annual	Geometric Mean
MI040601040406-08	Great Lakes Beach	40	4	NA %	21	0 %	2 %	0 %		Annual	Geometric Mean

Watershed Name: 0406010502 - Lake Charlevoix, Boardman Charlevoix

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601050206-02	Inland Lake Beach	38	143	NA %	38	16 %	8 %	3 %			Average

Watershed Name: 0406010503 - Torch Lake, Boardman Charlevoix

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601050304-06	Inland Lake Beach	16	508	41 %		NA %	81 %	12 %			Geometric Mean

Watershed Name: 0406010505 - Boardman River, Boardman Charlevoix

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601050502-01	River	7	171	NA %	1	100 %	43 %	12 %			Geometric Mean

Watershed Name: 0406010506 - Carp Lake River-Frontal Lake Michigan, Boardman Charlevoix

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601050601-01	Great Lakes Beach	34	47	NA %	34	6 %	6 %	0 %		Annual	Average
MI040601050601-02	Great Lakes Beach	36	40	NA %	36	11 %	6 %	0 %			Average
MI040601050603-04	Great Lakes Beach	35	38	NA %	35	3 %	3 %	0 %		Annual	Average
MI040601050605-03	Great Lakes Beach	34	161	NA %	34	29 %	9 %	3 %			Average
MI040601050606-02	Great Lakes Beach	37	30	NA %	37	5 %	3	0 %		Annual	Average

Watershed Name: 0406010507 - Threemile Creek-Frontal Grand Traverse Bay, Boardman Charlevoix

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601050701-07	Great Lakes Beach	29	207	NA %	29	17 %	14 %	7 %			Average
MI040601050706-01	Great Lakes Beach	5	157	NA %	0	NA %	0 %	0 %		Annual	Geometric Mean
MI040601050706-02	Great Lakes Beach	7	128	NA %		NA %	14 %	0 %			Geometric Mean
MI040601050707-02	Inland Lake Beach	6	18	NA %	0	NA %	0 %	0 %		Annual	Geometric Mean
MI040601050708-04	Inland Lake Beach	8	56	NA %		NA %	12 %	12 %			Geometric Mean

Watershed Name: 0406010606 - Manistique River, Manistique

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040601060604-03	Great Lakes Beach	60	12	NA %	42	0 %	3 %	0 %		Annual	Geometric Mean

Watershed Name: 0406020000 - Lake Michigan, Lake Michigan

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040602000001-39	Inland Lake Beach	8	129	NA %		NA %	25 %	12 %			Geometric Mean
MI040602000001-40	Inland Lake Beach	11	169	NA %		NA %	45 %	0 %			Geometric Mean
MI040602000001-41	Inland Lake Beach	52	65	NA %	52	12 %	8 %	0 %			Average
MI040602000001-53	Inland Lake Beach	64	10	NA %	44	0 %	8 %	0 %		Annual	Geometric Mean
MI040602000001-55	Inland Lake Beach	52	63	NA %	52	13 %	6 %	0 %			Average

Watershed Name: 0407000302 - Ocqueoc River, Lone Lake-Ocqueoc

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700030203-01	River	5	38	NA %	1	0 %	20 %	20 %			Geometric Mean
MI040700030205-01	River	5	120	NA %	1	0 %	20 %	20 %			Geometric Mean
MI040700030206-01	River	5	163	NA %	1	100 %	20 %	20 %			Geometric Mean

Watershed Name: 0407000402 - Burt Lake, Cheboygan

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700040202-03	Inland Lake Beach	37	101	NA %	37	16 %	8 %	3 %			Average
MI040700040208-01	Inland Lake Beach	6	33	NA %	0	NA %	0 %	0 %		Annual	Geometric Mean
MI040700040208-04	Inland Lake Beach	36	37	NA %	36	3 %	3 %	0 %		Annual	Average

Watershed Name: 0407000501 - Rainy River, Black

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700050102-01	River	5	143	NA %	1	100 %	40 %	20 %		Data2	Geometric Mean
MI040700050103-01	River	5	143	NA %	1	100 %	40 %	20 %		Data2	Geometric Mean
MI040700050104-01	River	5	143	NA %	1	100 %	40 %	20 %			Geometric Mean

Watershed Name: 0407000502 - Upper Black River, Black

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700050211-01	River	5	170	NA %	1	100 %	20 %	20 %			Geometric Mean
MI040700050213-01	River	5	161	NA %	1	100 %	0 %	0 %		Data2	Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700050213-02	River	5	161	NA %	1	100 %	0 %	0 %			Geometric Mean

Watershed Name: 0407000604 - North Branch Thunder Bay River, Thunder Bay

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700060404-01	River	7	140	NA %	1	100 %	29 %	12 %		Data2	Geometric Mean
MI040700060405-01	River	7	140	NA %	1	100 %	29 %	12 %			Geometric Mean

Watershed Name: 0407000605 - Lower South Branch Thunder Bay River, Thunder Bay

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700060504-03	Great Lakes Beach	5	17	NA %	0	NA %	0 %	0 %		Annual	Geometric Mean

Watershed Name: 0407000701 - South Branch Au Sable River, Au Sable

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700070101-03	Inland Lake Beach	23	59	NA %	12	8 %	4 %	0 %		Annual	Geometric Mean
MI040700070104-01	River	5	281	NA %	1	100 %	20 %	20 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700070105-01	River	5	332	10 %	1	100 %	40 %	0 %		Data2	Geometric Mean
MI040700070106-01	River	5	332	10 %	1	100 %	40 %	0 %			Geometric Mean
MI040700070107-01	River	5	228	NA %	1	100 %	20 %	0 %			Geometric Mean
MI040700070109-01	River	10	275	NA %	2	100 %	30 %	0 %		Data2	Geometric Mean

Watershed Name: 0407000702 - North Branch Au Sable River, Au Sable

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700070201-03	Inland Lake Beach	38	43	NA %	38	5 %	3 %	3 %		Annual	Average
MI040700070201-06	Inland Lake Beach	39	25	NA %	39	5 %	5 %	0 %		Annual	Average

Watershed Name: 0407000703 - East Branch Au Sable River-Au Sable River, Au Sable

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040700070304-01	River	5	177	NA %	1	100 %	0 %	0 %		Data2	Geometric Mean
MI040700070305-01	River	5	177	NA %	1	100 %	0 %	0 %			Geometric Mean
MI040700070305-02	River	5	177	NA %	1	100 %	0 %	0 %		Data2	Geometric Mean

Watershed Name: 0408010102 - East Branch Au Gres River, Au Gres-Rifle

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801010204-01	River	7	200	NA %	1	100 %	29 %	12 %			Geometric Mean

Watershed Name: 0408010104 - Rifle River, Au Gres-Rifle

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801010401-01	River	7	94	NA %	1	100 %	0 %	0 %			Geometric Mean
MI040801010408-02	Inland Lake Beach	9	36	NA %	0	NA %	0 %	0 %		Annual	Geometric Mean

Watershed Name: 0408010105 - Big Creek-Frontal Lake Huron, Au Gres-Rifle

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801010503-03	Great Lakes Beach	42	37	NA %	42	5 %	5 %	0 %		Annual	Average
MI040801010503-04	Inland Lake Beach	41	62	NA %	41	10 %	7 %	0 %		Annual	Average
MI040801010504-06	Great Lakes Beach	18	10	NA %	1	0 %	0 %	0 %		Annual	Geometric Mean
MI040801010504-07	Inland Lake Beach	29	31	NA %	2	0 %	3 %	0 %		Annual	Geometric Mean

Watershed Name: 0408010201 - Pine River-Frontal Lake Huron, Kawkawlin-Pine

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801020103-01	Inland Lake Beach	21	6	NA %	6	0 %	0 %	0 %		Annual	Geometric Mean
MI040801020104-01	Great Lakes Beach	20	20	NA %	10	0 %	15 %	0 %			Geometric Mean
MI040801020104-02	Great Lakes Beach	75	89	NA %	75	12 %	7 %	1 %			Average
MI040801020106-03	Great Lakes Beach	112	65	NA %	112	12 %	5 %	1 %			Average
MI040801020106-06	Great Lakes Beach	109	82	NA %	109	9 %	6 %	2 %		Annual	Average
MI040801020106-07	Great Lakes Beach	117	144	NA %	117	22 %	14 %	3 %			Average

Watershed Name: 0408010202 - Kawkawlin River, Kawkawlin-Pine

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801020204-03	Inland Lake Beach	56	17	NA %	37	5 %	4 %	0 %		Annual	Geometric Mean
MI040801020206-04	Inland Lake Beach	28	54	NA %	12	0 %	7 %	4 %		Annual	Geometric Mean

Watershed Name: 0408010303 - Pinnebog River, Pigeon-Wiscoggin

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801030304-02	River	7	47	NA %	1	0 %	29 %	0 %			Geometric Mean

Watershed Name: 0408010304 - Bird Creek-Frontal Lake Huron, Pigeon-Wiscoggin

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801030404-02	Great Lakes Beach	59	104	NA %	59	19 %	12 %	2 %			Average
MI040801030404-07	Great Lakes Beach	56	67	NA %	56	7 %	7 %	2 %		Annual	Average

Watershed Name: 0408010401 - Elk Creek-Frontal Lake Huron, Birch-Willow

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801040107-02	Great Lakes Beach	57	142	NA %	57	25 %	11 %	4 %			Average
MI040801040110-01	Great Lakes Beach	46	11	NA %	24	0 %	2 %	0 %		Annual	Geometric Mean

Watershed Name: 0408010402 - Mill Creek-Frontal Lake Huron, Birch-Willow

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040801040205-05	Great Lakes Beach	48	20	NA %	24	0 %	6 %	2 %		Annual	Geometric Mean
MI040801040207-17	River	5	206	NA %	1	100 %	20 %	0 %			Geometric Mean

Watershed Name: 0408020103 - Tobacco River, Tittabawassee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802010303-02	River	5	369	19 %	1	100 %	80 %	0 %			Geometric Mean
MI040802010303-07	River	5	1,106	73 %	1	100 %	100 %	80 %			Geometric Mean
MI040802010303-08	River	5	135	NA %	1	100 %	20 %	0 %			Geometric Mean
MI040802010304-01	River	10	208	NA %	2	100 %	40 %	0 %			Geometric Mean
MI040802010304-02	River	5	684	56 %	1	100 %	80 %	40 %		Data2	Geometric Mean
MI040802010304-03	River	10	385	22 %	2	100 %	60 %	30 %			Geometric Mean
MI040802010306-04	Inland Lake Beach	21	10	NA %	12	0 %	5 %	0 %		Annual	Geometric Mean
MI040802010307-01	River	7	212	NA %		NA %	43 %	0 %			Geometric Mean

Watershed Name: 0408020104 - Sanford Lake-Tittabawassee River, Tittabawassee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802010402-01	River	14	404	26 %	2	100 %	57 %	19 %			Geometric Mean
MI040802010407-04	Inland Lake Beach	15	214	NA %	11	82 %	47 %	13 %			Geometric Mean

Watershed Name: 0408020105 - Salt River, Tittabawassee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802010502-01	River	5	620	52 %	1	100 %	60 %	40 %		Data2	Geometric Mean
MI040802010504-01	River	5	620	52 %	1	100 %	60 %	40 %			Geometric Mean
MI040802010505-01	River	7	129	NA %	1	0 %	29 %	0 %		Data2	Geometric Mean
MI040802010506-01	River	7	129	NA %	1	0 %	29 %	0 %		Data2	Geometric Mean
MI040802010507-01	River	7	129	NA %	1	0 %	29 %	0 %			Geometric Mean

Watershed Name: 0408020202 - Coldwater River-Chippewa River, Pine

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802020202-04	Inland Lake Beach	23	10	NA %	13	0 %	4 %	0 %		Annual	Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802020202-05	Inland Lake Beach	22	6	NA %	13	0 %	0 %	0 %		Annual	Geometric Mean
MI040802020202-07	Inland Lake Beach	21	41	NA %	13	46 %	19 %	5 %			Geometric Mean
MI040802020207-01	River	6	323	7 %		NA %	67 %	29 %			Geometric Mean

Watershed Name: 0408020203 - Honeyoye Creek-Pine Creek, Pine

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802020301-02	Inland Lake Beach	22	22	NA %	13	0 %	5 %	0 %		Annual	Geometric Mean

Watershed Name: 0408020204 - Pine River, Pine

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802020401-01	River	5	740	59 %	1	100 %	100 %	20 %			Geometric Mean
MI040802020402-01	River	5	552	46 %	1	100 %	100 %	0 %			Geometric Mean
MI040802020403-01	River	5	219	NA %	1	100 %	40 %	0 %		Data2	Geometric Mean
MI040802020403-03	River	5	219	NA %	1	100 %	40 %	0 %			Geometric Mean

Watershed Name: 0408020205 - Chippewa River, Pine

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802020502-01	River	7	857	65 %	1	100 %	86 %	25 %		Data2	Geometric Mean
MI040802020506-01	River	5	322	7 %	1	100 %	60 %	0 %		Data2	Geometric Mean
MI040802020506-02	River	5	322	7 %	1	100 %	60 %	0 %		Data2	Geometric Mean
MI040802020507-01	River	5	322	7 %	1	100 %	60 %	0 %			Geometric Mean

Watershed Name: 0408020301 - South Branch Shiawassee River-Shiawassee River, Shiawassee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802030103-03	Inland Lake Beach	57	149	NA %	57	16 %	12 %	5 %			Average
MI040802030104-04	Inland Lake Beach	63	38	NA %	63	8 %	3 %	0 %		Annual	Average
MI040802030108-06	Inland Lake Beach	65	19	NA %	43	0 %	14 %	5 %			Geometric Mean
MI040802030111-04	Inland Lake Beach	31	26	NA %	1	0 %	10 %	0 %		Annual	Geometric Mean

Watershed Name: 0408020303 - Bad River, Shiawassee

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (E. coli)	Column 5: % Reduction	Column 6: # of 30-Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802030306-01	River	7	457	34 %	1	100 %	71 %	12 %		Data2	Geometric Mean
MI040802030307-01	River	5	458	34 %	1	100 %	60 %	20 %		Data2	Geometric Mean
MI040802030308-01	River	5	458	34 %	1	100 %	60 %	20 %			Geometric Mean
MI040802030309-01	River	20	819	63 %	4	100 %	95 %	40 %			Geometric Mean
MI040802030310-01	River	7	457	34 %	1	100 %	71 %	12 %			Geometric Mean
MI040802030311-01	River	5	506	41 %	1	100 %	60 %	20 %			Geometric Mean

Watershed Name: 0408020401 - South Branch Flint River, Flint

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (E. coli)	Column 5: % Reduction	Column 6: # of 30-Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802040102-01	River	7	503	40 %	1	100 %	86 %	12 %		Data2	Geometric Mean
MI040802040103-05	River	7	503	40 %	1	100 %	86 %	12 %		Data2	Geometric Mean
MI040802040105-01	River	7	503	40 %	1	100 %	86 %	12 %		Data2	Geometric Mean
MI040802040105-02	River	7	503	40 %	1	100 %	86 %	12 %		Data2	Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802040106-01	River	7	503	40 %	1	100 %	86 %	12 %			Geometric Mean

Watershed Name: 0408020402 - North Branch Flint River, Flint

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802040202-02	River	6	73	NA %		NA %	17 %	0 %			Geometric Mean

Watershed Name: 0408020403 - Swartz Creek-Flint River, Flint

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802040302-05	Inland Lake Beach	86	84	NA %	23	65 %	22 %	3 %			Geometric Mean

Watershed Name: 0408020501 - South Branch Cass River, Cass

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802050105-01	River	5	1,716	83 %	1	100 %	80 %	40 %		Data2	Geometric Mean
MI040802050106-01	River	5	1,716	83 %	1	100 %	80 %	40 %			Geometric Mean
MI040802050106-03	River	5	2,900	90 %	1	100 %	60 %	40 %		Data2	Geometric Mean
MI040802050110-01	River	5	1,716	83 %	1	100 %	80 %	40 %		Data2	Geometric Mean

Watershed Name: 0408020502 - White Creek-Cass River, Cass

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802050202-01	River	10	2,615	89 %	2	100 %	70 %	70 %			Geometric Mean
MI040802050203-01	River	12	450	33 %	2	100 %	58 %	23 %		Data2	Geometric Mean
MI040802050204-01	River	5	483	38 %	1	100 %	40 %	40 %			Geometric Mean
MI040802050206-01	River	5	435	31 %	1	100 %	40 %	20 %			Geometric Mean
MI040802050206-02	River	7	70	NA %	1	0 %	14 %	0 %			Geometric Mean
MI040802050207-01	River	10	305	2 %	2	100 %	40 %	40 %		Data2	Geometric Mean
MI040802050207-02	River	10	305	2 %	2	100 %	40 %	40 %		Data2	Geometric Mean
MI040802050208-01	River	5	435	31 %	1	100 %	40 %	20 %		Data2	Geometric Mean
MI040802050209-01	River	5	193	NA %	1	100 %	40 %	40 %			Geometric Mean

Watershed Name: 0408030000 - Lake Michigan, Lake Michigan

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040803000001-27	Inland Lake Beach	41	55	NA %	41	12 %	5 %	0 %			Average
MI040803000001-28	Inland Lake Beach	41	27	NA %	41	2 %	2 %	0 %		Annual	Average
MI040803000001-29	Inland Lake Beach	58	106	NA %	58	12 %	10 %	3 %			Average

Watershed Name: 0409000101 - Elk Creek-Black River, St. Clair

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900010102-01	River	5	704	57 %	1	100 %	80 %	20 %		Data2	Geometric Mean
MI040900010103-01	River	5	704	57 %	1	100 %	80 %	20 %		Data2	Geometric Mean
MI040900010103-02	River	5	704	57 %	1	100 %	80 %	20 %		Data2	Geometric Mean
MI040900010104-01	River	5	704	57 %	1	100 %	80 %	20 %		Data2	Geometric Mean
MI040900010105-01	River	5	1,171	74 %	1	100 %	100 %	60 %		Data2	Geometric Mean
MI040900010106-01	River	5	750	60 %	1	100 %	80 %	40 %			Geometric Mean
MI040900010107-01	River	5	142	NA %	1	100 %	20 %	0 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900010108-01	River	10	876	66 %	2	100 %	90 %	40 %			Geometric Mean
MI040900010109-01	River	5	650	54 %	1	100 %	80 %	20 %			Geometric Mean
MI040900010110-02	River	5	1,144	74 %	1	100 %	100 %	40 %			Geometric Mean
MI040900010111-01	River	5	650	54 %	1	100 %	80 %	20 %		Data2	Geometric Mean
MI040900010112-01	River	5	704	57 %	1	100 %	80 %	20 %			Geometric Mean

Watershed Name: 0409000102 - Black River, St. Clair

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900010201-01	River	5	839	64 %	1	100 %	100 %	40 %		Data2	Geometric Mean
MI040900010202-02	River	5	239	NA %	1	100 %	20 %	0 %			Geometric Mean
MI040900010202-03	River	5	839	64 %	1	100 %	100 %	40 %			Geometric Mean
MI040900010204-01	River	5	600	50 %	1	100 %	100 %	20 %		Data2	Geometric Mean
MI040900010205-01	River	11	3,018	90 %	3	100 %	100 %	55 %			Geometric Mean
MI040900010207-01	River	5	203	NA %	1	100 %	20 %	0 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900010208-01	River	7	284	NA %	1	100 %	43 %	12 %			Geometric Mean
MI040900010209-04	River	10	323	7 %	2	100 %	60 %	0 %		Data2	Geometric Mean
MI040900010212-01	River	5	166	NA %	1	100 %	0 %	0 %			Geometric Mean

Watershed Name: 0409000103 - Pine River-Frontal St. Clair River, St. Clair

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900010304-01	River	5	468	36 %	1	100 %	60 %	20 %			Geometric Mean
MI040900010307-05	River	5	1,078	72 %	1	100 %	80 %	40 %			Geometric Mean

Watershed Name: 0409000104 - Belle River, St. Clair

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900010401-02	River	6	11,586	97 %	2	100 %	100 %	83 %		Data2	Geometric Mean
MI040900010401-03	River	6	11,586	97 %	2	100 %	100 %	83 %		Data2	Geometric Mean
MI040900010402-03	River	5	201	NA %	1	100 %	20 %	0 %		Data2	Geometric Mean
MI040900010403-01	River	5	201	NA %	1	100 %	20 %	0 %		Data2	Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900010403-02	River	5	201	NA %	1	100 %	20 %	0 %		Data2	Geometric Mean
MI040900010405-01	River	5	201	NA %	1	100 %	20 %	0 %		Data2	Geometric Mean
MI040900010405-02	River	5	201	NA %	1	100 %	20 %	0 %			Geometric Mean
MI040900010405-03	River	7	409	27 %	1	100 %	57 %	12 %		Data2	Geometric Mean
MI040900010406-01	River	7	409	27 %	1	100 %	57 %	12 %		Data2	Geometric Mean
MI040900010407-01	River	7	409	27 %	1	100 %	57 %	12 %			Geometric Mean

Watershed Name: 0409000201 - Swan Creek-Frontal Lake Erie, Lake St. Clair

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900020104-01	Great Lakes Beach	161	30	NA %	130	3 %	4 %	1 %		Annual	Geometric Mean

Watershed Name: 0409000301 - Stony Creek-Clinton River, Clinton

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900030101-05	Inland Lake Beach	99	160	NA %	7	0 %	32 %	4 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900030103-45	Inland Lake Beach	10	24	NA %		NA %	10 %	10 %			Geometric Mean
MI040900030104-02	Inland Lake Beach	9	18	NA %		NA %	11 %	0 %			Geometric Mean
MI040900030105-05	Inland Lake Beach	40	8	NA %	6	0 %	2 %	0 %		Annual	Geometric Mean
MI040900030107-02	Inland Lake Beach	82	101	NA %	7	0 %	27 %	15 %			Geometric Mean
MI040900030108-04	Inland Lake Beach	47	49	NA %	6	0 %	11 %	2 %			Geometric Mean
MI040900030108-09	Inland Lake Beach	46	47	NA %	5	0 %	4 %	2 %		Annual	Geometric Mean
MI040900030108-30	Inland Lake Beach	45	46	NA %	6	0 %	4 %	0 %		Annual	Geometric Mean
MI040900030108-43	Inland Lake Beach	43	47	NA %	6	0 %	7 %	2 %		Annual	Geometric Mean
MI040900030108-46	Inland Lake Beach	9	93	NA %		NA %	22 %	0 %			Geometric Mean

Watershed Name: 0409000400 - Detroit River

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900040001-06	Inland Lake Beach	17	77	NA %	1	0 %	18 %	0 %			Geometric Mean

Watershed Name: 0409000402 - Middle River Rouge, Detroit

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900040203-06	Inland Lake Beach	37	47	NA %	4	0 %	8 %	0 %		Annual	Geometric Mean

Watershed Name: 0409000404 - River Rouge, Detroit

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900040401-04	Inland Lake Beach	12	69	NA %	8	0 %	17 %	0 %			Geometric Mean
MI040900040401-11	Inland Lake Beach	22	40	NA %		NA %	14 %	0 %			Geometric Mean
MI040900040401-12	Inland Lake Beach	19	10	NA %	0	NA %	5 %	0 %		Annual	Geometric Mean
MI040900040401-13	Inland Lake Beach	12	96	NA %	7	0 %	17 %	0 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900040402-12	Inland Lake Beach	13	76	NA %		NA %	31 %	15 %			Geometric Mean

MI040900040403-02	Inland Lake Beach	12	69	NA %		NA %	25 %	8 %			Geometric Mean
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Watershed Name: 0409000405 - Ecorse River-Frontal Lake Erie

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900040502-03	River	5	1,181	75 %	1	100 %	80 %	40 %		Data2	Geometric Mean

MI040900040502-06	River	5	888	66 %	1	100 %	60 %	40 %		Data2	Geometric Mean
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Watershed Name: 0409000501 - Woodruff Creek-Huron River, Huron

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900050102-11	Inland Lake Beach	14	71	NA %		NA %	21 %	7 %			Geometric Mean

MI040900050103-09	Inland Lake Beach	10	55	NA %	2	0 %	10 %	0 %			Geometric Mean
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MI040900050104-06	Inland Lake Beach	10	99	NA %	5	0 %	20 %	0 %			Geometric Mean
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Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900050105-02	Inland Lake Beach	46	20	NA %	7	0 %	13 %	4 %			Geometric Mean
MI040900050105-12	Inland Lake Beach	14	100	NA %		NA %	21 %	7 %			Geometric Mean
MI040900050106-03	Inland Lake Beach	43	16	NA %	5	0 %	9 %	2 %		Annual	Geometric Mean
MI040900050106-06	Inland Lake Beach	39	11	NA %	5	0 %	3 %	0 %		Annual	Geometric Mean
MI040900050107-05	Inland Lake Beach	10	72	NA %		NA %	30 %	10 %			Geometric Mean
MI040900050108-01	River	5	500	40 %	1	100 %	100 %	20 %		Data2	Geometric Mean
MI040900050108-02	River	10	706	57 %	2	100 %	100 %	20 %			Geometric Mean
MI040900050108-09	Inland Lake Beach	21	106	NA %	17	76 %	14 %	5 %			Geometric Mean
MI040900050109-01	River	10	951	68 %	2	100 %	100 %	50 %			Geometric Mean
MI040900050110-02	River	5	361	17 %	1	100 %	60 %	0 %			Geometric Mean
MI040900050110-04	Inland Lake Beach	73	23	NA %	39	3 %	8 %	1 %		Annual	Geometric Mean

Watershed Name: 0409000503 - Portage River-Huron River, Huron

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900050302-02	Inland Lake Beach	60	54	NA %	25	32 %	17 %	2 %			Geometric Mean
MI040900050303-01	River	5	181	NA %	1	100 %	20 %	0 %			Geometric Mean
MI040900050303-03	River	5	181	NA %	1	100 %	20 %	0 %		Data2	Geometric Mean
MI040900050305-03	River	5	1,289	77 %	1	100 %	100 %	80 %			Geometric Mean
MI040900050307-05	River	5	850	65 %	1	100 %	100 %	40 %			Geometric Mean
MI040900050307-09	Inland Lake Beach	63	10	NA %	28	0 %	3 %	0 %		Annual	Geometric Mean

Watershed Name: 0410000103 - Ottawa River-Frontal Lake Erie, Ottawa-Stony

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI041000010305-01	River	10	576	48 %	2	100 %	80 %	20 %	Out To Ohio		Geometric Mean

Watershed Name: 0410000204 - River Raisin, Raisin

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI041000020409-02	River	9	255	NA %	1	100 %	56 %	0 %			Geometric Mean

Watershed Name: 0410000601 - Lime Creek-Bean Creek, Tiffin

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI041000060101-01	River	5	207	NA %	1	100 %	40 %	0 %			Geometric Mean
MI041000060101-04	River	7	169	NA %	1	100 %	29 %	25 %			Geometric Mean
MI041000060102-01	River	5	1,013	70 %	1	100 %	100 %	80 %			Geometric Mean
MI041000060102-02	River	5	673	55 %	1	100 %	80 %	40 %			Geometric Mean
MI041000060102-03	River	8	1,779	83 %	1	100 %	75 %	62 %			Geometric Mean
MI041000060102-04	River	5	673	55 %	1	100 %	80 %	40 %		Data2	Geometric Mean

Table 2. Draft 2024 Addenda to Individual *E. coli* Total Maximum Daily Loads (TMDL).

TMDL Name and Watershed: Cedar River TMDL - Cedar River

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040802010204-03	Inland Lake Beach	23	90	NA %	12	8 %	9 %	0 %		Annual	Geometric Mean

TMDL Name and Watershed: Coldwater River and Bear Creek (Tyler Creek) TMDL - Coldwater River

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500070303-01	River	7	1,001	70 %	1	100 %	86 %	62 %			Geometric Mean

TMDL Name and Watershed: Grand River - Jackson Co TMDL - Headwaters Grand River, Portage River-Grand River, and Spring Brook-Grand River

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500040103-05	River	10	319	6 %	2	100 %	50 %	0 %		Data2	Geometric Mean
MI040500040105-05	River	10	501	40 %	2	100 %	100 %	0 %		Data2	Geometric Mean
MI040500040201-01	River	12	1,125	73 %	2	100 %	92 %	54 %			Geometric Mean
MI040500040203-01	River	5	599	50 %	1	100 %	100 %	20 %			Geometric Mean
MI040500040206-01	River	5	503	40 %	1	100 %	60 %	20 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500040301-01	River	10	433	31 %	2	100 %	100 %	0 %			Geometric Mean
MI040500040302-01	River	5	614	51 %	1	100 %	100 %	0 %			Geometric Mean

TMDL Name and Watershed: Red Cedar River and Grand River TMDL - Spring Brook-Grand River, and Red Cedar River.

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500040305-01	River	5	237	NA %	1	100 %	60 %	0 %			Geometric Mean
MI040500040306-01	River	10	566	47 %	2	100 %	100 %	0 %		Data2	Geometric Mean
MI040500040307-01	River	5	740	59 %	1	100 %	100 %	0 %			Geometric Mean
MI040500040307-02	River	5	433	31 %	1	100 %	100 %	0 %			Geometric Mean
MI040500040307-03	River	5	1,828	84 %	1	100 %	100 %	100 %			Geometric Mean
MI040500040503-02	River	5	1,276	76 %	1	100 %	100 %	60 %			Geometric Mean
MI040500040504-01	River	5	309	3 %	1	100 %	60 %	0 %			Geometric Mean
MI040500040504-04	River	5	309	3 %	1	100 %	60 %	0 %		Data2	Geometric Mean

TMDL Name and Watershed: Red Run Drain and Bear Creek TMDL - Red Run

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040900030201-04	Inland Lake Beach	40	38	NA %	6	0 %	2 %	2 %		Annual	Geometric Mean
MI040900030201-08	Inland Lake Beach	10	27	NA %		NA %	10 %	0 %			Geometric Mean

TMDL Name and Watershed: River Raisin (South Branch) TMDL - South Branch River Raisin

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI041000020204-09	River	20	2,270	87 %		NA %	100 %	68 %			Geometric Mean

TMDL Name and Watershed: St. Joseph River TMDL - North Branch Paw Paw River, Paw Paw River, and St. Joseph River

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500012402-01	River	7	569	47 %	1	100 %	57 %	29 %			Geometric Mean
MI040500012403-01	River	5	382	21 %	1	100 %	80 %	0 %		Data2	Geometric Mean
MI040500012403-03	River	5	382	21 %	1	100 %	80 %	0 %		Data2	Geometric Mean
MI040500012404-01	River	7	551	46 %	1	100 %	86 %	14 %			Geometric Mean
MI040500012405-01	River	5	568	47 %	1	100 %	80 %	0 %			Geometric Mean

Column 1: Assessment Unit	Column 2: Type	Column 3: n	Column 4: Mean (<i>E. coli</i>)	Column 5: % Reduction	Column 6: # of 30- Day Values	Column 7: % 30-Day Exceedance	Column 8: % Daily TBC Exceedance	Column 9: % Daily PBC Exceedance	Column 10: Interstate Waters	Column 11: Code	Column 12: Statistic Used
MI040500012405-08	River	9	745	60 %	1	100 %	89 %	33 %		Data2	Geometric Mean
MI040500012406-01	River	7	533	44 %	1	100 %	86 %	14 %			Geometric Mean
MI040500012406-02	River	7	511	41 %	1	100 %	71 %	14 %			Geometric Mean
MI040500012501-02	River	13	816	63 %	1	100 %	85 %	46 %			Geometric Mean
MI040500012502-01	River	5	352	15 %	1	100 %	40 %	0 %			Geometric Mean
MI040500012503-03	River	9	378	21 %	1	100 %	78 %	22 %			Geometric Mean
MI040500012507-01	River	9	326	8 %	1	100 %	56 %	11 %			Geometric Mean
MI040500012508-02	River	6	169	NA %	1	100 %	17 %	0 %		Data2	Geometric Mean
MI040500012509-01	River	6	169	NA %	1	100 %	17 %	0 %			Geometric Mean
MI040500012509-02	River	5	197	NA %	1	100 %	40 %	0 %			Geometric Mean
MI040500012509-03	River	6	169	NA %	1	100 %	17 %	0 %		Data2	Geometric Mean
MI040500012605-01	River	7	192	NA %	1	100 %	29 %	0 %			Geometric Mean