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NPDES PERMITTED DISCHARGES GRAND RIVER (UPPER) WATERSHED

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Grand River (upper) Watershed TMDLs

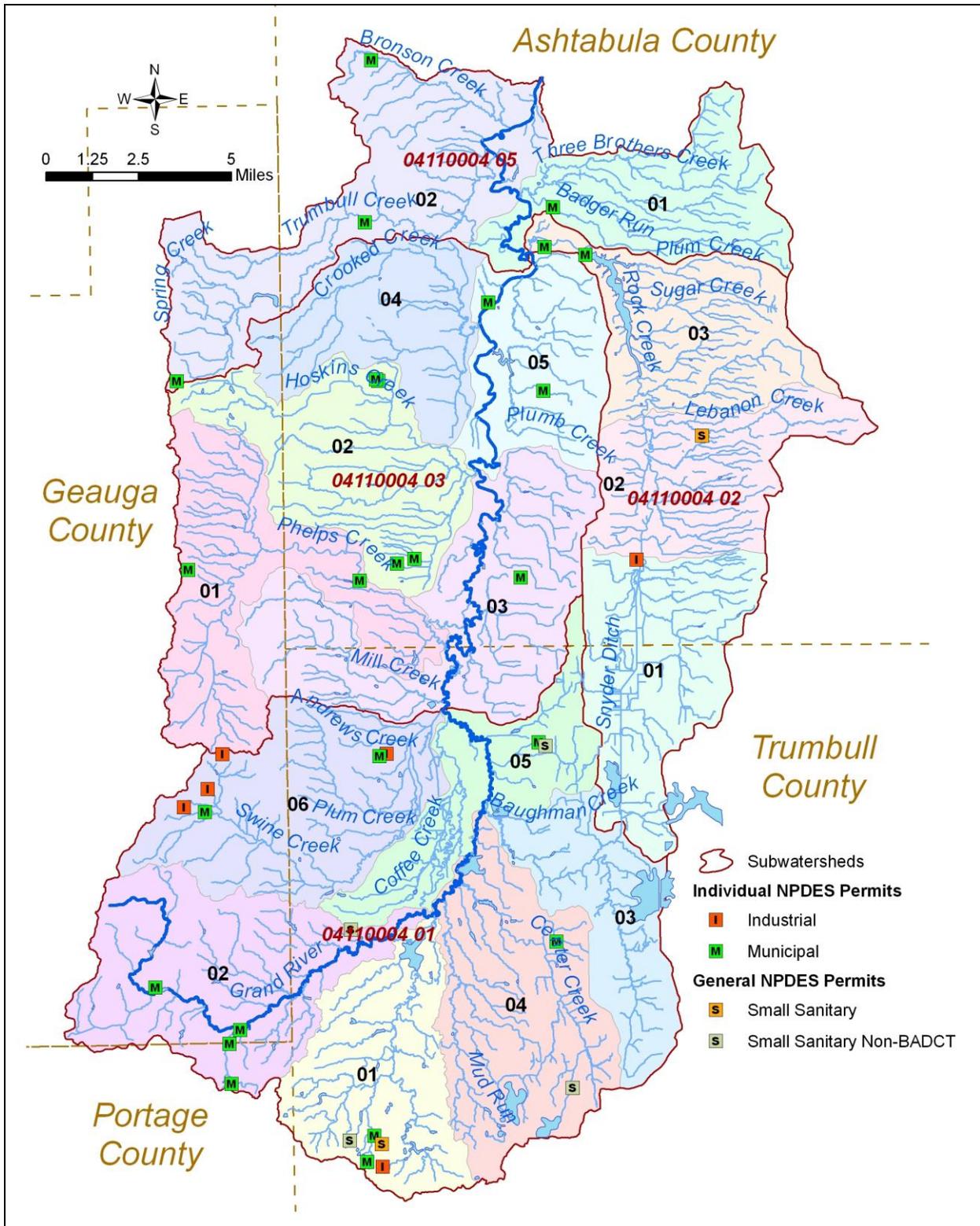


Figure A-1. Map of the facility locations of NPDES permitted wastewater dischargers in the Grand River (upper) watershed.

Grand River (upper) Watershed TMDLs

Table A-1. NPDES permitted waste water dischargers in the Grand River (upper) watershed.

Nested Subwatershed	Ohio Permit Number	Facility Name	Design Flow¹ (MGD)	Average Flow (MGD)	Expiration Date	Permit Version²
01 01	3PR00227	Halfway Restaurant	0.00025	0.00017	8/31/2015	BD
01 01	3PT00067	Southington Local Schools	0.020	0.001059	5/31/2014	CD
01 01	3PV00066	Southington Estates LLC	0.03	0.016	3/31/2012	DD
01 01	3GV00011	All American Wheels Bar & Grill LLC	≤ 0.025	N/A ¹⁷	12/31/2014	AG
01 01	3GS00022	Southington Christian Church	≤ 0.025	0.000153	12/31/2014	AG
01 02	3PG00160	Geauga Co Parkman WWTP	0.149	0.0157	6/30/2015	CD
01 02	3PR00135	Rigsby Ranch FKA River Pines	0.025	0.0084 ¹³	4/30/2016	FD
01 02	3PR00274	Kool Lakes Family Campground Clubhouse	0.025	0.003084	1/31/2017	CD
01 02	3PV00009	Nelson Ledges Estate MHP	0.030	0.0254	8/31/2015	FD
01 02	3GV00012	Kirby Apartments	≤ 0.025	N/A ¹⁸	12/31/2014	AG
01 04	3PT00065	Bristol Local School	0.0225	0.015989	8/31/2016	CD
01 04	3GV00022	Dean Haines Property	≤ 0.025	N/A ¹⁸	12/31/2014	AG
01 05	3PT00128	Bloomfield High School	0.009	0.000673	7/31/2011	AD
01 05	3GV00023	Gallos Auto Sales	≤ 0.025	N/A ¹⁸	12/31/2014	AG
01 06	3IH00076	Middlefield Orig Cheese Coop	0.01035	0.006284 ¹⁴	10/31/2014	BD
01 06	3IN00300	Shively Land Co LLC	0.00365	0.001034	5/31/2015	CD
01 06	3IQ00027	Mercury Plastics Inc Fabrication	Storm water; non-contact cooling water	Outfall 005: 0.0074 Outfall 601: 0.0013 ¹⁵	12/31/2012	HD
01 06	3PR00465	End of Commons General Store	0.003	0.000612 ¹⁹	9/30/2013	AD
01 06	3PV00053	Middlefield MHP	0.02	0.0099	10/31/2015	DD
01 06	3PW00029	Bridge Lake Farm WWTP	0.0034	None reported ¹⁶	12/31/2005	AD
02 01	3IY00160	Orwell WTP	0.0043	0.0163	4/30/2014	DD

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Nested Subwatershed	Ohio Permit Number	Facility Name	Design Flow ¹ (MGD)	Average Flow (MGD)	Expiration Date	Permit Version ²
02 02	3GV00026/ 5PGV0002	Kampf Apartments	0.011	0.0007 ¹¹	12/31/2014	BG
02 03	3PA00029	Rock Creek WWTP	0.07	0.0412	5/31/2012	ED
02 03	3PB00068	Roaming Shores WWTP	0.160	0.1298	2/29/2016	GD
03 01	3PR00424	Camp Whitewood	0.008	0.0036 ⁵	8/31/2016	BD
03 01	3PT00137	Cardinal Local Sch Dist	0.006	0.0021	4/30/2015	AD
03 02	3PR00214	Hartsgrove BP Convenient Station	0.000503	0.000363 ⁶	8/31/2015	DD
03 02	3PR00232	Grand Valley Country Manor	0.020	0.002558 ⁷	9/30/2013	BD
03 02	3PR00270	Hartsgrove General Store	0.001	0.000511 ⁸	11/30/2011	BD
03 02	3PT00074	Windsor Community Center	0.00234	0.000062 ⁹	8/31/2015	DD
03 03	3PB00041	Orwell WWTP	0.520	0.289	7/31/2015	GD
03 05	3PP00044	ODOT Rome Maintenance Outpost	0.0015	0.000026 ¹⁰	9/30/2013	BD
03 05	3PR00547	Grand Valley Conservation Center	0.020	0.0005 ¹²	12/31/2016	AD
05 01	3PT00116	Glenbeigh Hospital	0.020	0.007928	11/30/2014	BD
05 02	3PR00192	Plank Road Tavern	0.00124	0.00011	9/30/2014	CD
05 02	3PR00457	Great Lake Medieval Faire	0.011	0.011 ⁴	1/31/2013	AD
05 02	3PT00136	Cork Elementary	0.006	0 ³	1/31/2015	AD

¹ Design flows are shown in million gallons per day (MGD).

² The first letter indicates the number of permit cycles that have occurred for the facility, where “A” represent the first and “B” represents the second and so on. Permit cycles typically occur over five year time periods.

³ Plant is currently under construction so it does not yet have a flow.

⁴ Plant has never reported flows. This is the assumed flow when operating (weekends July through September) .

⁵ Summer flows average. Winter flows are only 0.0001 MGD.

⁶ BP station and restaurant. The restaurant is open from May through October.

⁷ The nursing home closed in 2009. Flow has been negligible since 2009.

⁸ General store and rental residence. The general store closed in 10/2010.

⁹ Former elementary school, now a township office and community center.

¹⁰ Flow during peak use periods is closer to 0.0002 MGD.

¹¹ Data are submitted in hard copy. Average flow is estimated based upon number of apartments occupied.

¹² Facility discharging since 1986. Current operations estimated.

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- ¹³ Rigsby Ranch FKA River Pines did not discharge from 11/1/07 through 8/1/10.
- ¹⁴ At outfall 001 for Middlefield Cheese Coop, the effluent is discharged from polishing wetland. There is no flow meter; flow is not reported for this outfall.
- ¹⁵ Mercury Plastics: Outfall 005, Discharge pipe entering SR 528 roadside ditch on southeast side of building. Outfall 601, Sanitary sewage discharge after disinfection. Outfalls 004 and 006 are for storm water
- ¹⁶ The NPDES permit for Bridge Lake Farm WWTP has expired. No reporting was completed. A renewal application has been submitted to Ohio EPA and a renewal NPDES permit has been reported. The WWTP has continued discharging during this process.
- ¹⁷ This facility is still under construction and has not yet begun discharging.
- ¹⁸ No monitoring data have been submitted for this permit.
- ¹⁹ Average flow was calculated for data submitted between May 5, 2010 and November 30, 2011.

Grand River (upper) Watershed TMDLs

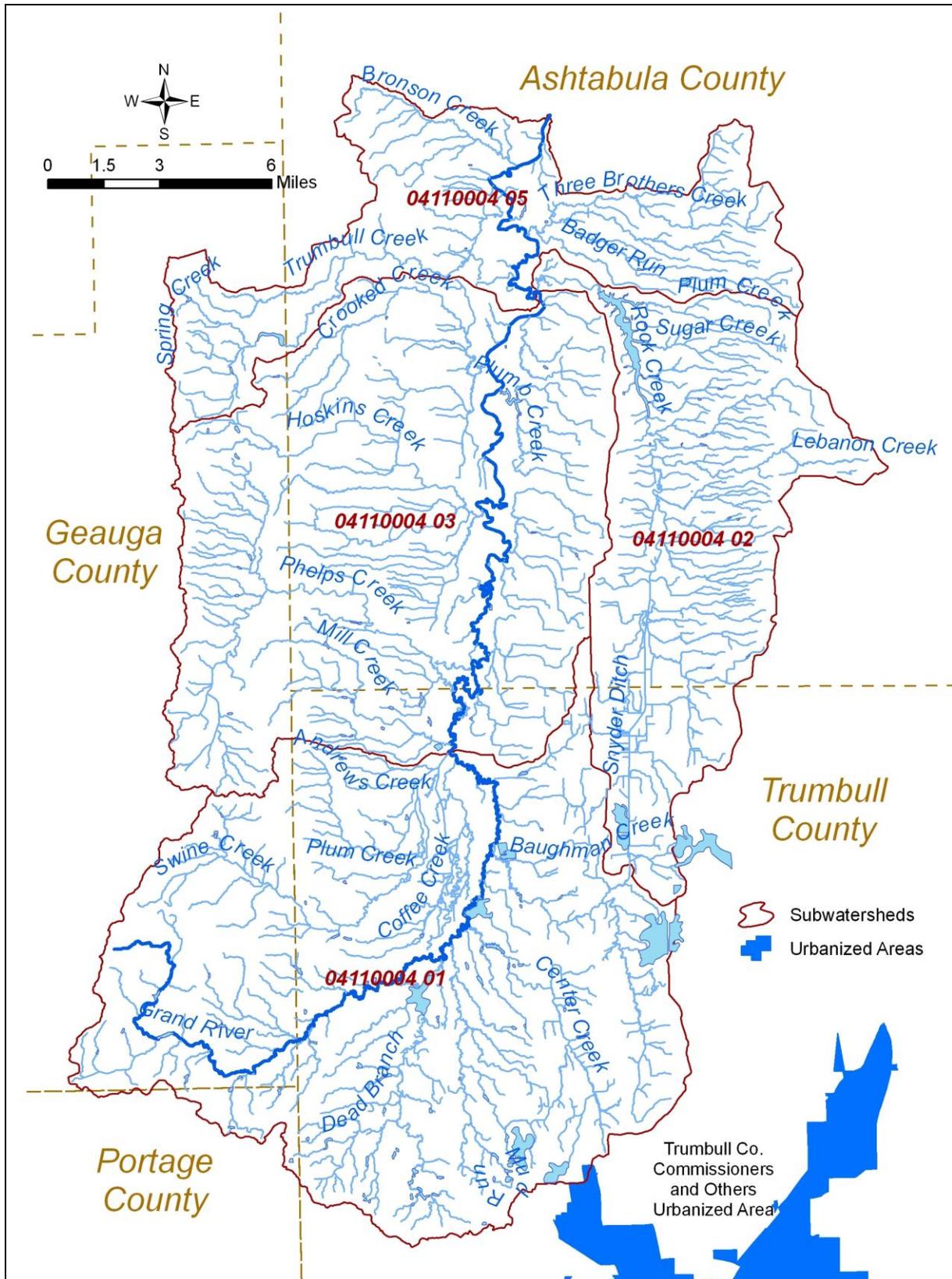


Figure A-2. Map of the NPDES permitted municipal separate storm sewer system (MS4) areas in the Grand River (upper) watershed.

Grand River (upper) Watershed TMDLs

Table A-2. NPDES permitted municipal separate storm sewer system (MS4) areas in the Grand River (upper) watershed.

Entity / Permittee Name	Trumbull County Commissioners & Others
Permit Number	3GQ00002*BG
Drainage Area of MS4 (mi²)	80.86 (approximately 0.0632 in watershed)
Permit Period (begin / end effective dates)	6/24/2009 / 1/29/2014
Stream and Other Waterbodies Affected by the MS4	Center Creek, Mud Run
Nested Subwatershed	04110004 01 04
Comments	According to the 2010 Trumbull County MS4 annual report, three out of the six municipalities have passed an illicit discharge ordinance. The municipalities have not developed enforcement procedures for addressing non-compliance on construction sites within incorporated limits. The post-construction storm water management program appears to require additional work to ensure that it is functioning correctly. Additional audits will likely be required in the future.