

Appendix E. Storm Water

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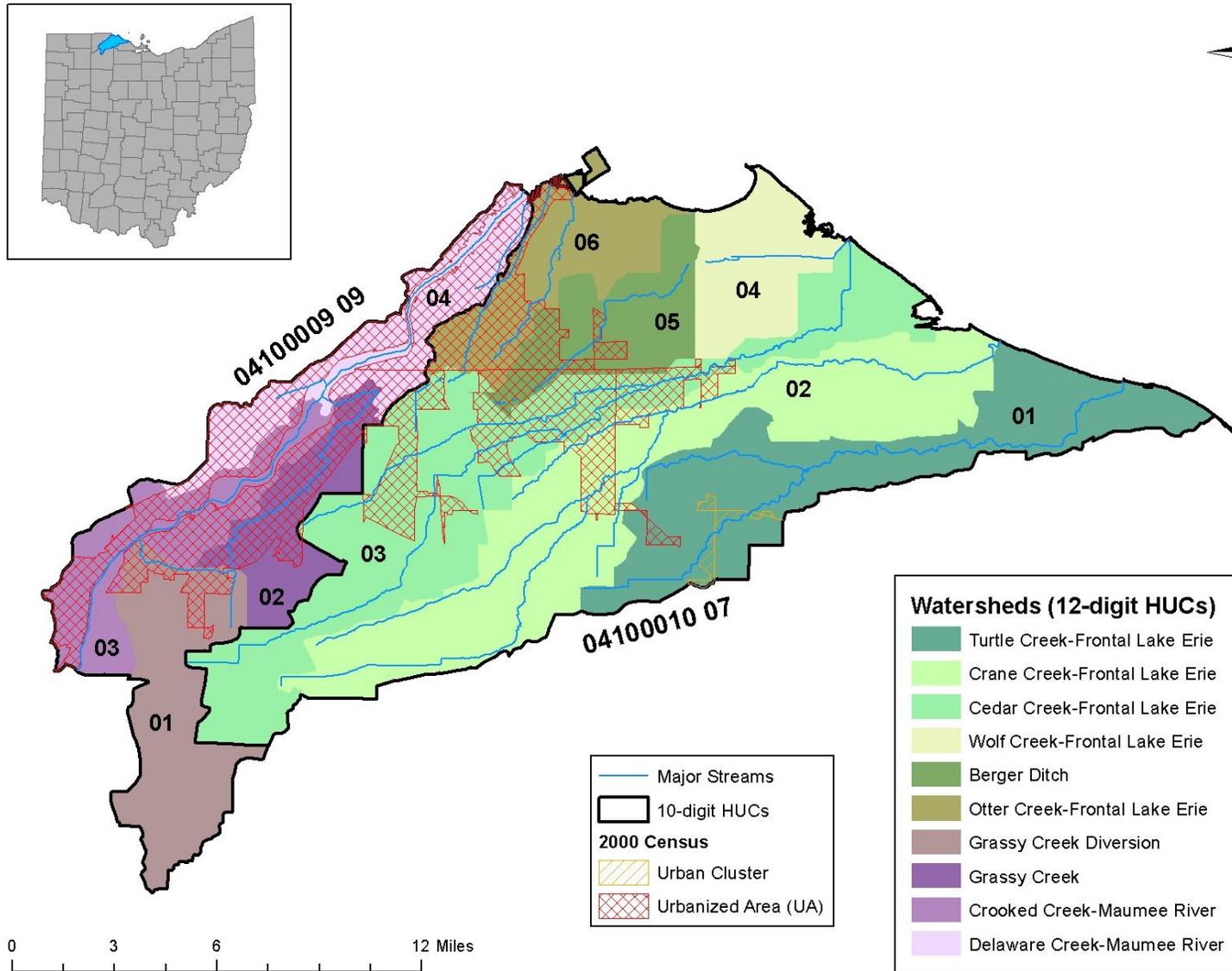


Figure E-1. 2000 Census Urbanized Area.

Table E-1. Relative areas per subwatershed for calculating gross WLA for storm water from construction sites and industrial facilities

Subwatershed	Construction^a	Industrial^b
<i>Turtle Creek and Frontal Lake Erie (HUC 04100010 07 01)</i>		
Turtle Creek at North Lickett Harder Road (RM 5.3)	0.07%	0.18%
South Branch Turtle Creek at Moline Road (RM 2.65)	0.07%	--
<i>Crane Creek and Frontal Lake Erie (HUC 04100010 07 02)</i>		
Crane Creek at Nissen Road (RM 6.5)	0.12%	0.13%
Crane Creek at Hanley road (RM 18.82)	0.14%	--
Henry Creek at Bradner Road (RM 0.25)	0.14%	--
<i>Cedar Creek and Frontal Lake Erie (HUC 04100010 07 03)</i>		
Cedar Creek at Oregon Road (RM 20.77)	0.14%	--
Cedar Creek at Yondota Road (RM 4.27)	0.17%	2.68%
Dry Creek at East Broadway Road (RM 7.0)	0.14%	4.65%
<i>Berger Ditch (HUC 04100010 07 05)</i>		
Berger Ditch at Cedar Point Road (RM 0.75)	0.99%	--
<i>Otter Creek and Frontal Lake Erie (HUC 04100010 07 06)</i>		
Otter Creek adjacent to CSX Road (RM 0.40)	0.71%	7.38%
<i>Grassy Creek Diversion (HUC 04100009 09 01)</i>		
Grassy Creek Diversion at Grand Rapids Road (RM 0.28)	1.13%	0.09%
<i>Grass Creek (HUC 04100009 09 02)</i>		
Grassy Creek at Glenwood Road (RM 0.98)	1.13%	--
<i>Delaware Creek – Maumee River (HUC 04100009 09 04)</i>		
Delaware Creek at Rohr Drive (RM 0.38)	1.13%	--
Duck Creek at York Street (RM 2.52)	1.13%	--

Notes

A double dash (“--”) indicates that no facility with a general permit for industrial storm water was present in the subwatershed.

a. Average annual portion of the subwatershed that is regulated by Ohio’s general permit for construction site storm water.

b. Portion of the subwatershed that consists of facilities regulated by Ohio’s general permit for storm water from industrial activities.

Table E-2. Relative areas per subwatershed for calculating WLA for storm water from regulated nontraditional MS4s: ODOT and OTC

Subwatershed	ODOT ^a	OTC ^b
<i>Turtle Creek and Frontal Lake Erie (HUC 04100010 07 01)</i>		
Turtle Creek at North Lickett Harder Road (RM 5.3)	0.07%	--
South Branch Turtle Creek at Moline Road (RM 2.65)	0.06%	--
<i>Crane Creek and Frontal Lake Erie (HUC 04100010 07 02)</i>		
Crane Creek at Nissen Road (RM 6.5)	0.11%	--
Crane Creek at Hanley road (RM 18.82)	--	--
Henry Creek at Bradner Road (RM 0.25)	--	--
<i>Cedar Creek and Frontal Lake Erie (HUC 04100010 07 03)</i>		
Cedar Creek at Oregon Road (RM 20.77)	--	--
Cedar Creek at Yondota Road (RM 4.27)	0.32%	0.02%
Dry Creek at East Broadway Road (RM 7.0)	0.44%	0.01%
<i>Berger Ditch (HUC 04100010 07 05)</i>		
Berger Ditch at Cedar Point Road (RM 0.75)	0.32%	--
<i>Otter Creek and Frontal Lake Erie (HUC 04100010 07 06)</i>		
Otter Creek adjacent to CSX Road (RM 0.40)	0.84%	
<i>Grassy Creek Diversion (HUC 04100009 09 01)</i>		
Grassy Creek Diversion at Grand Rapids Road (RM 0.28)	0.13%	--
<i>Grass Creek (HUC 04100009 09 02)</i>		
Grassy Creek at Glenwood Road (RM 0.98)	1.55%	0.13%
<i>Delaware Creek – Maumee River (HUC 04100009 09 04)</i>		
Delaware Creek at Rohr Drive (RM 0.38)	1.15%	0.69%
Duck Creek at York Street (RM 2.52)	0.31%	--

Notes

A double dash (“--”) indicates that no applicable roads were located within the 2000 Census Urbanized Area within the watershed.

a. Portion of the subwatershed that is within a 60-foot right-of-way of state routes, U.S. routes, and interstates (excluding the Ohio Turnpike) and within the 2000 Census Urbanized Area.

b. Portion of the subwatershed that is within a 60-foot right-of-way of the Ohio Turnpike and within the 2000 Census Urbanized Area.

Table E-3. Relative areas per subwatershed for calculating WLA for storm water from regulated traditional MS4s

Subwatershed	Lucas County MS4 ^a	Ottawa County MS4 ^a	Wood County MS4 ^a	Toledo (city) MS4 ^b	Maumee (city) MS4 ^b	Millbury (village) MS4 ^b	Northwood (city) MS4 ^b	Oregon (city) MS4 ^c	Perrysburg (city) MS4 ^b	Rosford (city) MS4 ^b	Walbridge (village) MS4 ^b
<i>Turtle Creek and Frontal Lake Erie (HUC 04100010 07 01)</i>											
Turtle Creek at North Lickett Harder Road (RM 5.3)	--	6.40%	0.38%	--	--	--	--	--	--	--	--
South Branch Turtle Creek at Moline Road (RM 2.65)	--	9.66%	0.51%	--	--	--	--	--	--	--	--
<i>Crane Creek and Frontal Lake Erie (HUC 04100010 07 02)</i>											
Crane Creek at Nissen Road (RM 6.5)	0.40%	3.20%	9.36%	--	--	2.14%	--	--	--	--	--
Crane Creek at Hanley road (RM 18.82)	--	--	7.22%	--	--	--	--	--	--	--	--
Henry Creek at Bradner Road (RM 0.25)	--	--	15.18%	--	--	0.06%	--	--	--	--	--
<i>Cedar Creek and Frontal Lake Erie (HUC 04100010 07 03)</i>											
Cedar Creek at Oregon Road (RM 20.77)	--	--	11.14%	--	--	--	--	--	--	--	--
Cedar Creek at Yondota Road (RM 4.27)	0.24%	0.99%	17.91%	--	--	--	7.47%	0.02%	--	2.69%	3.72%
Dry Creek at East Broadway Road (RM 7.0)	--	--	33.85%	--	--	--	--	--	--	14.91%	--
<i>Berger Ditch (HUC 04100010 07 05)</i>											
Berger Ditch at Cedar Point Road (RM 0.75)	0.81%	--	0.31%	--	--	--	11.81%	19.39%	--	--	--
<i>Otter Creek and Frontal Lake Erie (HUC 04100010 07 06)</i>											
Otter Creek adjacent to CSX Road (RM 0.40)	1.71%	--	11.16%	15.12%	--	--	24.10%	36.50%	--	0.20%	--
<i>Grassy Creek Diversion (HUC 04100009 09 01)</i>											
Grassy Creek Diversion at Grand Rapids Road (RM 0.28)	--	--	7.90%	--	--	--	--	--	9.92%	--	--
<i>Grass Creek (HUC 04100009 09 02)</i>											
Grassy Creek at Glenwood Road (RM 0.98)	--	--	26.25%	--	--	--	0.74%	--	26.12%	11.64%	--

Subwatershed	Lucas County MS4 ^a	Ottawa County MS4 ^a	Wood County MS4 ^a	Toledo (city) MS4 ^b	Maumee (city) MS4 ^b	Millbury (village) MS4 ^b	Northwood (city) MS4 ^b	Oregon (city) MS4 ^c	Perrysburg (city) MS4 ^b	Rosford (city) MS4 ^b	Walbridge (village) MS4 ^b
Delaware Creek – Maumee River (HUC 04100009 09 04)											
Delaware Creek at Rohr Drive (RM 0.38)	1.77%	--	--	59.36%	37.03%	--	--	--	--	--	--
Duck Creek at York Street (RM 2.52)	2.31%	--	--	93.44%	--	--	--	3.94%	--	--	--

Notes

A double dash (“--”) indicates that no portion of the regulated MS4 is located within the subwatershed.

a. Portion of the subwatershed that is the summation of: (1) the area in a 60-foot right-of-way of country roads that is within the 2000 Census Urbanized area and (2) the area of developed land within the jurisdictional boundaries of a township that is a co-permittee to a county MS4 permit. Developed land is defined as the developed land cover classes (developed, open; developed, low intensity; developed, medium intensity; and developed, high intensity) of the 2006 NLCD.

b. Portion of the subwatershed that is within the incorporated area of a municipality that is a regulated MS4.

c. Portion of the subwatershed that is developed land within the incorporated area of the city of Oregon. Developed land is defined as the developed land cover classes (developed, open; developed, low intensity; developed, medium intensity; and developed, high intensity) of the 2006 NLCD.