

Subwatershed Management Unit Summary Sheet

Management Unit: Indian Mill Creek
Major Watershed Name: Direct Drainage to the Grand River
Hydrologic Unit Code: 04050006-0504



WATERSHED DESCRIPTION:

Size (acres):	10,979	Land Use (% of total)	
County:	Kent	<i>Agricultural</i>	39%
Cities, Villages & Townships:	Grand Rapids, Alpine, Walker	<i>Forest Land</i>	12%
Critical Area for Restoration:	High	<i>Lakes</i>	0%
Priority Area for Preservation:	Medium	<i>Open Land</i>	2%
		<i>Urban</i>	43%
		<i>Wetlands</i>	4%

Pollutant Loadings

Sediment (tons/yr)	395
Phosphorus (lbs/yr)	7,545
Nitrogen (lbs/yr)	42,689

Priority Pollutant	Sediment		
Priority Sources	Cropland	Urban landscapes	Streambanks
Priority Causes	Tillage practices	Lack of buffers	Dense drainage network
Trout Streams/Miles	Indian Mill Creek, Brandywine Creek, and unnamed tribs of Indian Mill Creek 5.4		
Streams with Total Maximum Daily Loads & Dates of Implementation	Sedimentation/Siltation 2016		
Wellhead Protection Area(s)	NO		

PLANS & STUDIES:

Watershed Management Plan	None
Other Studies	Indian Mill Creek Watershed Storm Water Management Plan (1993), City of Grand Rapids Storm Water Management Master Plan (1994), Alpine Twp (in
MDNRE Surface Water Quality Assessment Surveys	MI/DEQ/SWQ-09, 25300, MI/DEQ/SWQ-98/021, MI/DNR/SWQ-93/022
MDNRE Hydrologic Studies	2010, MDNRE LWMD, D. Fonger
Local Water Quality Monitoring / Inventories	MDNRE 2008 (within Cities of Grand Rapids and Walker only), City of Grand Rapids Environmental Protection Dept. for several parameters

WATERSHED PARTNERS:

Watershed Organization(s)	Lower Grand River of Organizations (LGROW), Friends of Indian Mill Creek West Michigan Environmental Action Council (WMEAC) Adopt-A-Stream
NPDES Municipal Separate Storm Sewer System (MS4) Communities	Walker, Grand Rapids, Kent County Drain Commissioner, Kent County Road Commission

Recommended Projects	Blandford Nature Center storm water runoff controls and streambank stabilization
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Last Update: 9/9/2010