

# SUBWATERSHED MANAGEMENT UNIT SUMMARY SHEET

**Management Unit:** Bear Creek  
**Major Watershed Name:** Direct Drainage to the Grand River  
**Hydrologic Unit Code:** 04050006-0501



**WATERSHED DESCRIPTION:**

<b>Size (acres)</b>	20,332	<b>Land Use (% of total)</b>	
<b>County</b>	Kent	<i>Agricultural</i>	34%
<b>Cities, Villages &amp; Townships:</b>	Cannon, Grattan, Vergennes, Plainfield	<i>Forest Land</i>	36%
<b>Critical Area for Restoration:</b>	Low	<i>Lakes</i>	2%
<b>Priority Area for Preservation:</b>	High	<i>Open Land</i>	3%
		<i>Urban</i>	12%
		<i>Wetlands</i>	13%
<b>Pollutant Loadings</b>			
Sediment (tons/yr)	209		
Phosphorus (lbs/yr)	3,690		
Nitrogen (lbs/yr)	21,600		

<b>Priority Pollutant</b>	Habitat Fragmentation		
<b>Priority Sources</b>	Destruction of habitat, including wetlands and floodplains		
<b>Priority Causes</b>	Urban and agriculture development		
<b>Trout Stream Miles</b>	10.7		
<b>Streams with Total Maximum Daily Loads &amp; Dates of Implementation</b>	None		
<b>Wellhead Protection Area(s)</b>	Yes		

**PLANS & STUDIES:**

<b>Watershed Management Plan</b>	Bear Creek
<b>Other Studies</b>	No
<b>MDNRE Surface Water Quality Assessment Surveys</b>	002452, 25300, MI/DNR/SWQ-95/009, MI/DNR/SWQ-92/211, MI/DEQ/SWQ-96/024, MI/DEQ/SWQ-96/047
<b>MDNRE Hydrologic Studies</b>	YES, Bear Creek Stewardship Plan (1992), Bear Creek Hydrologic Investigation, MDNR, September, 1991.
<b>Local Water Quality Monitoring / Inventories</b>	STORET (Bear Creek @ Chauncey Rd), KCHD (E. coli)

**WATERSHED PARTNERS:**

<b>Watershed Organization(s)</b>	LGROW, Bear Creek Watershed Council
<b>NPDES Municipal Separate Storm Sewer System (MS4) Communities</b>	Kent County Drain Commissioner, Kent County Road Commission, Plainfield Twp.

**Last Update:** 9/9/2010