

# SUBWATERSHED MANAGEMENT UNIT SUMMARY SHEET

**Subwatershed**  
**Management Unit:** Lower Flat River  
**Major Watershed Name:** Flat River  
**Hydrologic Unit Codes:** 04050006-0204, -0207, -0208, -0209



**WATERSHED DESCRIPTION:**

<b>Size (acres):</b>	78,873	<b>Land Use (% of total)</b>	
<b>County:</b>	Ionia, Kent, Montcalm	<i>Agricultural</i>	47%
<b>Cities, Villages &amp; Townships:</b>	Belding, Orleans, Fairplain, Otisco, Eureka, Grattan, Vergennes, Keene	<i>Forest Land</i>	26%
<b>Critical Area for Restoration:</b>	Low	<i>Lakes</i>	4%
<b>Priority Area for Preservation:</b>	High	<i>Open Land</i>	4%
		<i>Urban</i>	6%
		<i>Wetlands</i>	13%
<b>Pollutant Loadings</b>			
Sediment (tons/yr)	833		
Phosphorus (lbs/yr)	24,920		
Nitrogen (lbs/yr)	144,320		

<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 Streams/Miles</b>	Unnamed Tributary 3.9		
<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>	WCLMI Resource Plan/None/WCLMI Resource Plan/WCLMI Resource Plan/None
<b>Other Studies</b>	Ionia County Drain Commissioner SWMP, Natural River Plan
<b>MDNRE Surface Water Quality Assessment Surveys</b>	25300, 003910, MI/DEQ/SWQ-02/004
<b>MDNRE Hydrologic Studies</b>	None
<b>Local Water Quality Monitoring / Inventories</b>	None

**WATERSHED PARTNERS:**

<b>Watershed Organization(s)</b>	LGROW
<b>NPDES Municipal Separate Storm Sewer System (MS4) Communities</b>	None

Last Update: 9/14/2010