

SUBWATERSHED MANAGEMENT UNIT SUMMARY SHEET

Subwatershed
Management Unit: Libhart Creek
Major Watershed Name: Direct Drainage to the Grand River
Hydrologic Unit Codes: 04050006-0301, -0302



WATERSHED DESCRIPTION:

Size (acres):	35,176	Land Use (% of total)	
County:	Ionia	<i>Agricultural</i>	85%
Cities, Villages & Townships:	Ionia, Orange, Lyons, Portland, Sebewa	<i>Forest Land</i>	6%
Critical Area for Restoration:	Medium	<i>Lakes</i>	0%
Priority Area for Preservation:	Low	<i>Open Land</i>	1%
		<i>Urban</i>	2%
		<i>Wetlands</i>	6%
Pollutant Loadings			
Sediment (tons/yr)	339		
Phosphorus (lbs/yr)	9,280		
Nitrogen (lbs/yr)	55,440		

Priority Pollutant Habitat Fragmentation

Priority Sources Destruction of habitat, including wetlands and floodplains

Priority Causes Urban and agriculture development

Trout Streams NA

Streams with Total Maximum Daily Loads & Dates of Implementation None

Wellhead Protection Area(s) YES

PLANS & STUDIES:

Watershed Management Plan WCLMI Resource Plan

Other Studies Ionia Drain Commissioner SWMP

MDNRE Surface Water Quality Assessment Surveys NONE

MDNRE Hydrologic Studies NA

Local Water Quality Monitoring / Inventories None

WATERSHED PARTNERS:

Watershed Organization(s) LGROW

NPDES Municipal Separate Storm Sewer System (MS4) Communities None

Last Update: 9/9/2010