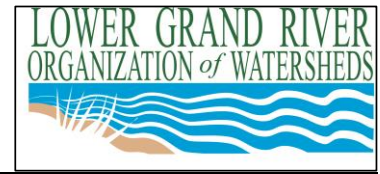


SUBWATERSHED MANAGEMENT UNIT SUMMARY SHEET

Subwatershed
Management Unit: Upper Rogue River
Major Watershed Name: Rogue River
Hydrologic Unit Code: 04050006-0401



WATERSHED DESCRIPTION:

Size (acres):	73,988	Land Use (% of total)	
Counties:	Newaygo, Montcalm, Kent, Muskegon	<i>Agricultural</i>	45%
Cities, Villages & Townships:	Sand Lake, Cedar Springs, Brooks, Croton, Grant, Ensley, Pierson, Nelson, Solon, Tyrone, Casnovia	<i>Forest Land</i>	30%
Critical Area for Restoration:	High	<i>Lakes</i>	1%
Priority Area for Preservation:	High	<i>Open Land</i>	5%
		<i>Urban</i>	5%
		<i>Wetlands</i>	14%
Pollutant Loadings		*Loadings for the entire Rogue River (including Lower and Upper Rogue Subwatershed Management Units).	
Sediment (tons/yr)	*4,049		
Phosphorus (lbs/yr)	*50,936		
Nitrogen (lbs/yr)	*291,252		

Priority Pollutant Pathogens

Priority Sources Cropland Livestock Septic tanks

Priority Causes Over or improper application of manure Uncontrolled livestock access Aging systems

Trout Streams/Miles Veen boer Drain, Hilbrand Drain, Geers Drain, Hickory Creek, Rogue River, Rogue River, Walter Creek, Spring Creek, Post Creek, Duke Creek, White Creek, Frost Creek
24.4

Streams with Total Maximum Daily Loads & Dates of Implementation None

Wellhead Protection Area(s) NO

PLANS & STUDIES:

Watershed Management Plan Rogue River

Other Studies LLWFA Action Plan, Natural River Plan

MDNRE Surface Water Quality Assessment Surveys 25300

MDNRE Hydrologic Studies None

Local Water Quality Monitoring / Inventories WMEAC for macroinvertebrate community, sediment, and temp; Michigan Lakes and Stream Association Members for temp and nutrients; by Kent County Health Department for pathogens; Schrems West Michigan Trout Unlimited for Temp.

WATERSHED PARTNERS:

Watershed Organization(s) Rogue River Watershed Council, LGROW

NPDES Municipal Separate Storm Sewer System (MS4) Communities

Last Update: 9/14/2010