

Rouge River Watershed 5 Year Monitoring Plan

Prepared by: Alliance of Rouge Communities - revised Sept 2013

Element	Monitoring Locations	O = Non-ARC services (as of 9/2010) X = ARC funded services (as of 9/2010)				
		2009	2010	2011	2012	2013
Planning & Reporting						
Monitoring Plan Annual Review	Not Applicable	X	X	X	X	X
Data Handling, Data Management & Analysis	Not Applicable	X	X	X	X	X
Report/Brochure/Press Release	Not Applicable		X		X	
Physical Monitoring						
Geomorphology/stream classification	10 sites (2009-11) 7 sites (2012)	O	OX	OX	X	***
Precipitation	Apr-Nov at 21 sites (15 min totals)	O	O	O	O	O
Continuous Stream Flow (15 min data)*	Year round					
Main 1/2	3 sites (<i>US4, US5</i>) and <i>US6</i> (2009 only)	O	O	O	O	O
Upper	<i>US3</i> each year + U05 one year	O	OX	O	O	O
Middle 1	1 site at outlet (<i>US10</i>)			X		
Middle 3	<i>US2</i> each year + D06 one year	O	O	OX	O	O
Lower 1	1 site at outlet (<i>US9</i>)					X
Lower 2	<i>US1</i> each year + L05D one year	O	O	O	O	XO
Main 3/4	1 site (<i>US7</i>)	O	O	O	O	O
Water Quality						
Continuous DO and Temp (15 min)	May-Oct					
Main 1/2						
Upper	1 site at outlet (U05)		X			
Middle 1						
Middle 3	1 site at outlet (D06)			X		
Lower 1						
Lower 2	1 site at outlet (L05D)					X
Main 3/4	1 site (<i>US7</i>)			O	O	
<i>E. coli</i> **	As selected by MDEQ		O			
Total Phosphorus (TP)**	As selected by MDEQ		O			
Total Suspended Solids (TSS)**	As selected by MDEQ		O			
Biological Health						
Fish, Macroinvertebrates, Habitat**	As selected by MDEQ		O			
Macroinvertebrates	20-24 sites by FOTR	X	X	O	O	X
Macroinvertebrates	20 sites by WC	O	O	O	O	X
Green Infrastructure (Land Cover) Monitoring	Across ARC	X	O	O	O	O
Public Education/Involvement						
Public Survey	Not Applicable					
Summary of Volunteer Restoration Efforts	Not Applicable	O	O	O	O	O
Pollution Prevention						
Illicit Discharges Identified & Eliminated	Not Applicable	O	O	O	O	O

*Stream gages operated by USGS are italicized.

**Based on the availability of funding per the MDEQ (not completed in 2010).

***Not planned for 2013 due to lack of funding.