

Table 2
5 Year Monitoring Plan for the Rouge Watershed, 2003-2007

Revised 4/13/06

Monitoring Activity	Sites/Frequency/Season	Year Performed				
		X = Alliance Services O = Non-Alliance Services				
		2003	2004	2005	2006	2007
Planning						
Assist SWAGs in developing/refining monitoring plans		X	X	X	X	X
Hydrology						
Precipitation (all subsheds, but sparse in Wayne Co.)	Apr-Nov at 21 sites (15 min totals)	X ¹	X ¹	X ¹	X ¹	X ¹
Continuous/Perm. Stream Flow Meas. (all subsheds)	Year round (15 min data)					
Main 1/2	3 sites (US4,US5,US6)	X	X	X	X ¹	
Upper	2 sites (US3, U05)	X	X	X	X ¹ (US3 only)	
Middle 1	1 site at outlet (US10)	X	X	X		
Middle 3	2 sites (US2, D06)	X	X	X	X ¹ (US2 only)	
Lower 1	1 site at outlet (US9)	X	X	X	X	
Lower 2	2 sites (US1, L05D)	X	X	X	X	
Main 3/4	2 sites (US7,US8)	X	X	X	X ¹ (US7 only)	X
Water Quality						
Continuous water qual. mon. - DO/Temp (all subsheds)	May-Oct (15 min. data)					
Main 1/2	1 site at outlet (US5)	X	X	X		
Upper	1 site at outlet (U05)	X	X	X		
Middle 1	1 site at outlet (US10)	X	X	X		
Middle 3	1 site at outlet (D06)	X	X	X		
Lower 1	1 site at outlet (US9)	X	X	X	X	
Lower 2	1 site at outlet (L05D)	X	X	X	X	
Main 3/4	2 sites (US7,US8)	X	X	X		X
Intermittent wet wthr sampling (E Coli, TSS, TP, NH3, CBOD5, DO)	5 wet weather events per site (May-Oct, 7 samples/event)					
Main 1/2	1 site at outlet (US5)	X ²	X ²			
Upper	1 site at outlet (U05)		X			
Middle 1	1 site at outlet (US10)			X		
Middle 3	1 site at outlet (D06)			X		
Lower 1	1 site at outlet (US9)				X	
Lower 2	1 site at outlet (L05D)				X	
Main 3/4	1 site at outlet (M14) + 2 others (US7 & US8)					X
Intermittent dry weather sampling (E Coli, TSS, TP, NH3, CBOD5, DO)	15 surveys per site (May-Oct, conduct surveys in 3 groups of 5 each - with each group performed in a 30-day period)					
Main 1/2	1 site at outlet (US5) + 2 others (M03 & G45)	X ²	X ²			
Upper	3 sites (U16, U19, G71)		X			
Middle 1	1 site at outlet (US10) + 2 others (G83 & D60)			X		
Middle 3	1 site at outlet (D06) + 2 others (D32 & G84)			X		
Lower 1	1 site at outlet (US9) + L01, G93, G94, L51, G211, L02				X	
Lower 2	1 site at outlet (L05D) + L06, G98				X	
Main 3/4	1 site at outlet (M14) + 2 others (US7 & US8)					X
Intermittent dry weather canoeing sampling in Middle 1 & 3 (E. Coli)	5 samples per 30 day period, May-Oct 1, approx 10 sites	X ¹	X ¹	X ¹	X ¹	X ¹
Impoundments (algae, TP, chlorophyll, secchi depth, macrophytes)	Monthly sampling (May-Sep) of 4 Impoundments ³	X ¹				
Biological Health						
Fish, macroinvertebrates, habitat (all subsheds)	As selected by MDEQ ⁴			X ¹		
Frog and Toad, macroinvertebrates (all subsheds)	As selected by FOTR ⁴	X ¹	X ¹	X ¹	X ¹	X ¹
PCBs in fish tissue (Middle 3)	No longer needed based on 2001 fish tissue results					
Public Education/Involvement						
Public survey (all subsheds)	To be funded under PI budget		X			
Other						
Prepare/update Rouge Mon. Summaries (WCRPO/Other)	Not applicable	X	X	X	X	X
Conduct trend analysis/data interpretation	Not applicable	X	X	X	X	X
Phosphorus target reassessment	Not applicable	O				
Special Studies by MDEQ-SWQD or others	Not applicable	O				

¹ Monitoring is performed by others; WCRPO primarily performs data handling, reporting and mapping.

² Since the Assembly was not established until August 2003, Main 1/2 sampling began in 2003 and was completed in 2004.

³ Based on 2003 results there is no need to repeat until there is a significant reduction in phosphorus inputs.

⁴ May be supplemented by counties.