

## ***Chapter 7 – Watershed Action Plan***

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This chapter outlines each permittee’s commitment level to the proposed Best Management Practices (BMPs) (outlined in Chapter 6) that will be or are currently being implemented within their jurisdiction in St. Clair County’s Northeastern Watersheds (NEW) to reduce the discharge of pollutants in storm water runoff and minimize storm water runoff quantities to the Maximum Extent Practicable (MEP).

### **7.1 Best Management Practice Implementation Schedule**

The schedule for implementing BMPs will vary depending on the water quality, quantity or other natural resource concerns in each community. In addition, cost, staff and planning needs will also play into determining the schedule of implementation. For the purposes of this Watershed Management Plan (WMP), the BMPs are identified as being implemented currently, within a short-term or long-term commitment time frame, or as a “wish list” item. Each permittee will break down the short- and long-term commitment time frames into specific years of implementation in their individual Storm Water Pollution Prevention Initiative (SWPPI). Each category of BMP implementation is further defined below.

**Short-Term Commitment:** This time frame would include practices that will be implemented within the current remaining permit term (in this case, by December, 2008). This implementation timeframe is recommended for BMPs that will address the critical areas in the watershed and fulfill the minimum EPA Phase II storm water requirements. The critical areas are the pollutants and issues most important to the watershed. BMPs that should be listed as a short-term commitment are pollution prevention, public education, illicit discharge elimination, public involvement activities, and nonstructural actions such as land use planning strategies that protect water quality during new development or redevelopment. Once many actions in this category begin to be implemented, they likely will be on-going over the long-term, or throughout multiple permit cycles.

**Long-Term Commitment:** This time frame would include practices that will be implemented after the term of the current permit cycle, or in 2009 or beyond. Permittees may select this implementation time frame for those actions that might demand higher costs and staffing allocations, or include more in-depth planning strategies or design specifications to be researched and developed.

**Wish-List Item:** The MDEQ defines a wish-list item to be an activity for which the permittee recognizes a need, but cannot or will not commit to them for reasons such as:

- They go beyond the scope of the storm water controls;
- They are not yet technologically feasible; or,
- They cannot be implemented with the resources available.

The MDEQ noted in their SWPPI guidance that there is no limit to the number of activities that may be selected as a wish-list item as long as the permittee has also committed to a reasonable number of both short- and long-term commitments to BMPs, in addition to those BMPs that the permittee is currently implementing.

It should be noted that BMPs that have been identified in this WMP with a short- or long-term commitment will not be eligible for federal Section 319 funding (MDEQ, 2006). The reasoning given by the MDEQ is that “once [a] permittee [makes a] commitment in the WMP or SWPPI to implement an action, it is considered to be a ‘permit required’ action and therefore federal 319 funds cannot be used”; however, “wish-list” items identified in this WMP are still potentially eligible for this funding source. The key to eligibility is that the actions “must clearly be above and beyond what would be required to be implemented under the [watershed] permit”. Another popular funding source for BMP implementation for “approved” WMPs is Clean Michigan Initiative (CMI) funding which is currently available for BMPs that fit into the grant proposal; however, this funding source may not be available much longer (MDEQ, 2006). Additional information on funding sources for BMP implementation is discussed in Section 6.2.7 under BMP 79.

It should be noted that just as the goals and objectives established in this WMP may change over time, the actions to achieve those goals and objectives may just as likely need to be modified as changes in the physical, socioeconomic and political landscape of the watershed changes. It is the hope that the planning and implementation process becomes a self-sustaining process with ever-increasing participation from stakeholders, and that the focus is on implementing the most efficient and cost-effective strategies for protecting the watershed. This process of adaptive management is explained in more detail in Chapter 9 (Evaluation Process).

## **7.2 Action Plan Matrix**

Each permittee has completed an Action Plan Matrix (APM), Table 7.1 below, which identifies the specific BMPs selected for current and future implementation throughout the current permit cycle, and beyond, to address the short-term goals and long-term measurable objectives established in the NEW. Each permittee will be establishing their tailored implementation schedule for each of the applicable BMPs in their SWPPI which is due by May 1, 2007. The actions highlighted in yellow in the table are permit required actions and those highlighted in green have been identified as priority actions.

**Table 7.1 St. Clair County's Northeastern Watersheds Action Plan Matrix**

BMP No.	Action (BMP Strategy)	Goals & Objectives Addressed (See Table 4.2)	Responsible Party: CVT = City, Village, Township DPW = Department of Public Works RC = Road Commission DO = Drain Office HD = Health Department S = Schools	Key: C = Current Practice S = New Practice with Short-Term Commitment (to be implemented within current permit cycle, by 2008) L = New Practice with Long-Term Commitment (to be implemented after current permit cycle, in 2009 or after) W = Wish-List Item N/A = Not Applicable* (*See explanation provided in Appendix F) Blank = Not Currently Planned **ECSD = East China School District, SC4 = St. Clair County Community College, SCCDO = St. Clair County Drain Office, SCCRC = St. Clair County Road Commission; SCCHD = St. Clair County Health Department																
				ECSD**	SC4**	SCCDO**	SCCRC**	SCCHD**	Burtchville Township	Clyde Township	East China Township	Fort Gratiot Township	Kimball Township	City of Marine City	City of Marysville	Port Huron Township	City of Port Huron	City of St. Clair	St. Clair Township	
<b>Public Education and Outreach</b>																				
1	Develop and Distribute Outreach Materials on Watershed Awareness and Storm Water Management	2.3, 3.5, 4.5, 5.1	CVT, RC, DO, HD, S	S	C	C	S	C	S	C	C	C	C	C	C	C	C	C		
2	Utilize the "Seven Simple Steps to Clean Water" Campaign Materials and Mass Media Efforts	3.1, 3.2, 3.3, 3.5, 4.1, 4.2, 4.4, 4.5, 5.1, 8.1, 8.2, 8.4	CVT, RC, DO, HD, S		C	C	S	C	C	W	C	C	C	C	C	C	C	C		
3	Encourage the Use of Generally Accepted Agricultural Management Practices (GAAMPs)	3.1, 3.2, 3.3, 3.5, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO, HD			S	N/A	S	C	C				N/A	N/A	N/A	N/A	N/A	S	
4	Encourage Reduced Fertilizer, Pesticide and Herbicide Usage	3.2, 4.2, 4.4, 5.3, 8.2, 8.4	CVT, HD, S	S	S	C	S	C	W	W	S	C		L	C	W	C		C	
5	Seek Participation from the Public during Earth Fair and River Day	2.3, 3.5, 4.5, 5.1	CVT, RC, DO, HD, S		C	C	S	C	L	L	C	C	C	C	C	C	C		C	
6	Implement Employee Training Programs	2.1, 2.2, 2.3, 3.5, 4.5, 5.1	CVT, RC, DO, HD, S	C	C	S	S	S	S	C	C		S	C	C	C	C	L	C	
7	Promote St. Clair County's 24-Hour Water Quality Hotline	3.1, 3.2, 3.3, 3.5, 3.7, 4.1, 4.2, 4.4, 4.5, 4.8, 5.1, 5.2, 5.3, 5.5, 8.1, 8.2, 8.4, 8.5	CVT, RC, DO, HD, S	S	C	C	S	C	C	C	C	C	C	C	C	W	C	S	C	
8	Develop and Distribute Outreach Materials on Low-Impact Design	2.3	CVT, DO, HD			C	N/A	C	W	W			S	W	L	W			C	
9	Encourage the Use of Household Hazardous Waste Disposal and Electronics Recycling Programs	3.5, 3.7, 4.4, 4.5, 4.8, 5.1, 5.5, 8.4, 8.5	CVT, RC, DO, HD, S	S	C	C	S	C	C	W	C		L	S	S	C	S	S	C	
10	Install Watershed Signage	3.5, 4.5	CVT, HD			C	C	C	L	S		C	W	W	S	C	C	C	S	
11	Promote the Adopt-a-Stream Program	3.1, 3.2, 3.5, 3.6, 4.1, 4.2, 4.4, 4.5, 4.7, 5.1, 5.3, 8.1, 8.2, 8.4	CVT, DO, HD, S		C	C	N/A	C	L	L			W	W	L	W			S	
12	Promote the Adopt-a-County Road Program	3.5, 4.4, 4.5, 5.1, 8.4	CVT, RC			N/A	C	N/A	C	L	S		C	W	N/A	W	N/A		S	
13	Provide Information on the Soil Testing Program	3.2, 3.5, 4.2, 4.4, 4.5, 8.2, 8.4	CVT, HD			N/A	N/A	C	L	L			S		W	S	S		S	
14	Encourage Participation in the Citizen Planner Program	2.1, 2.2, 2.3, 3.5, 4.5, 5.1	CVT			N/A	N/A	N/A	C	C		C	C	W					C	
15	Provide Education on the Identification of Failing On-Site Septic Disposal Systems	3.2, 3.3, 3.5, 4.2, 4.4, 4.5, 5.1, 5.2, 5.3, 8.2, 8.4	CVT, DO, HD			C	S	C	S	C			C	N/A	N/A	N/A	N/A	N/A	S	
16	Encourage Reduced Use of Road Salt and Promote Alternative Deicing Chemicals	4.4, 4.5, 8.4	CVT, RC, S	S	C	N/A	C	C	N/A	N/A			L	L	L	N/A	C		N/A	
17	Encourage Golf Course Nutrient Management	3.2, 3.5, 4.2, 4.5, 8.2	CVT			N/A	N/A	N/A	N/A	N/A			L	N/A	C	W	N/A	S	S	
<b>Public Involvement and Participation</b>																				
5	Seek Participation from the Public during Earth Fair and River Day	2.3, 3.5, 4.5, 5.1	CVT, RC, DO, HD, S		C	C	S	C	L	L	C	C	C	C	C	C	C	C	C	
11	Promote the Adopt-a-Stream Program	3.1, 3.2, 3.5, 3.6, 4.1, 4.2, 4.4, 4.5, 4.7, 5.1, 5.3, 8.1, 8.2, 8.4	CVT, DO, HD, S		C	C	N/A	C	L	L			W	W	L	W			S	
12	Promote the Adopt-a-County Road Program	3.5, 4.4, 4.5, 5.1, 8.4	CVT, RC			N/A	C	N/A	C	L	S		W	W	N/A	W	N/A		S	
18	Perform Storm Drain/Catch Basin Marking	3.5, 4.5, 5.1	CVT, RC, DO, S	S	C	N/A	N/A	C	C	L		L	L	W	C	W		L	N/A	
19	Seek Input from the Public on Development of Ordinances	2.3, 3.5, 4.5, 5.1	CVT			N/A	N/A	N/A	L	L		C	S	S	C	W	C			

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				ECSD**	SC4**	SCCDO**	SCCRC**	SCCHD**	Burtchville Township	Clyde Township	East China Township	Fort Gratiot Township	Kimball Township	City of Marine City	City of Marysville	Port Huron Township	City of Port Huron	City of St. Clair	St. Clair Township
	for Water Quality and Quantity Protection																		
20	Seek Participation from the Public at St. Clair County’s NEW Watershed Advisory Group Meetings	2.3, 3.5, 4.5, 5.1	CVT, HD			C	C	C	S	S	C	C	C	C	C	W	W	C	
<b>Illicit Discharge/Connection Elimination</b>																			
6	Implement Employee Training Programs	2.3, 3.5, 4.5, 5.1	CVT, DPW, RC, DO, HD, S	C	C	S	S	S	S	C	C		S	C	C	C	C	L	C
7	Promote St. Clair County’s 24-Hour Water Quality Hotline	3.1, 3.2, 3.3, 3.5, 3.7, 4.1, 4.2, 4.4, 4.5, 4.8, 5.1, 5.2, 5.3, 5.5, 8.1, 8.2, 8.4, 8.5	CVT, DPW, RC, DO, HD, S	S	C	S	S	C	C	C	C	C	C	C	C	W	C	S	C
21	Implement Illicit Discharge Elimination Plan (IDEP)	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 4.4, 4.5, 4.7, 4.8, 5.2, 5.3, 5.4, 5.5, 8.1, 8.2, 8.4, 8.5	CVT RC, DO, HD, S ♦Program implemented by the HD	C	C	C	C*	C	C	C	C	C	C	C	C	C	C	S	C
22	Sanitary System Planning—Manage Lagoon Systems and Package Wastewater Treatment Plants	3.2, 3.3, 3.4, 4.2, 4.4, 5.2, 5.3, 5.4, 8.2, 8.4	CVT, HD			C	N/A	C	W	N/A		C		N/A	N/A	N/A	N/A		S
23	Eliminate Sanitary Sewer Overflow Events	3.2, 3.3, 3.4, 4.2, 4.4, 5.2, 5.3, 5.4, 8.2, 8.4	City of Marysville, City of St. Clair	C		N/A	N/A	N/A	N/A	N/A		C	N/A	N/A	C	N/A	N/A	C	C
24	Eliminate Combined Sewer Overflow Systems	3.2, 3.3, 3.4, 4.2, 4.4, 5.2, 5.3, 5.4, 8.2, 8.4	City of Port Huron			N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	C	N/A	C		
25	Implement St. Clair County Public Bathing Beach Water Quality Monitoring Program	3.3, 3.4, 3.5, 3.6, 4.7, 5.1, 5.2	♦Program implemented by the HD	N/A	N/A	N/A	N/A	C	C*	N/A	N/A	C*	N/A	C*	C*	C*	C*	C*	N/A
26	Study, Develop, Adopt and Enforce an Illegal Dumping Ordinance	3.1, 3.2, 3.3, 3.4, 3.7, 4.1, 4.2, 4.4, 4.8, 5.2, 5.3, 5.4, 5.5, 8.1, 8.2, 8.4, 8.5	CVT			N/A	N/A	N/A	W	W		C	W	L	C	C	C		C
27	Study, Develop, Adopt and Implement Illicit Discharge/Connection Elimination Ordinance	3.2, 3.3, 3.4, 4.2, 4.4, 5.2, 5.3, 5.4, 8.2, 8.4	CVT			N/A	N/A	C	W	W			W	S	C	C	C	C	S
28	Support County-wide Onsite Septic Disposal System (OSDS) Ordinance	3.2, 3.3, 3.4, 4.2, 4.4, 5.2, 5.3, 5.4, 8.2, 8.4	CVT			N/A	N/A	N/A	W	W	C			N/A	N/A	N/A	N/A	S	
<b>Construction Site Stormwater Runoff Control</b>																			
6	Implement Employee Training Programs	2.1, 2.2, 2.3, 3.5, 4.5, 5.1	CVT, DPW, RC, DO, HD, S	C	C	S	S	S	S	S	C		C	C		C	C	L	C
7	Promote St. Clair County’s 24-Hour Water Quality Hotline	3.1, 3.2, 3.3, 3.5, 3.7, 4.1, 4.2, 4.4, 4.5, 4.8, 5.1, 5.2, 5.3, 5.5, 8.1, 8.2, 8.4, 8.5	CVT, DPW, RC, DO, HD, S	S	C	S	S	C	C	S	C	C	C	C		W	C	S	C
29	Implement and Enforce the Soil Erosion and Sedimentation Control (SESC) Ordinance and the SESC Program	2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 4.5, 5.3, 8.1, 8.2, 8.3, 8.4	♦DPW implements for all permittees	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**

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	Post-Construction Stormwater Management in New Development and Redevelopment Managerial Stormwater Management Controls																		
6	Implement Employee Training Programs	2.1, 2.2, 2.3, 3.5, 4.5, 5.1	CVT, DPW, RC, DO, HD, S	C	C	S	S	S	S	S	C		S	C	C	C	C	L	C
30	Study, Develop, Adopt and Implement Storm water Management Ordinance/Design Standards for Storm Water Management Systems	2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.2, 5.3, 5.4, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO			C	W	W	W	W		C	W	L	C	C	L	W	
31	Study, Develop and Adopt Development Standards for Water Quality and Quantity Protection	1.1, 1.2, 2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 6.2, 8.1, 8.2, 8.3, 8.4	CVT	N/A	N/A	C	W	W	W	W				L	C	C		L	S
32	Update Master Plan to Incorporate Watershed Management Plan Goals and Objectives	All	CVT	N/A	N/A	N/A	N/A	N/A	L	L	S	L	L	L	L	W	L	L	S
33	Study, Develop, Adopt and Implement Aquatic (Riparian) Buffer Ordinance	1.2, 2.1, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 4.4, 6.2, 8.1, 8.2, 8.3, 8.4	CVT	N/A	N/A	N/A	N/A	N/A		L	S		W	L	L	W			
34	Study, Develop, Adopt and Implement Floodplain Management Ordinance	1.2, 2.1, 2.2, 3.1, 4.1, 4.3, 4.4, 8.1, 8.3, 8.4	CVT	N/A	N/A	N/A	N/A	N/A	W	W				L	C	C			S
35	Study, Develop, Adopt and Implement Wetland Protection Ordinance	1.2, 2.1, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 4.4, 8.1, 8.2, 8.3, 8.4	CVT	N/A	N/A	N/A	N/A	N/A	W	W				L	L	W	N/A		
36	Study, Develop, Adopt and Implement a Woodlands/Tree Protection Ordinance	1.2, 2.1, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 4.4, 6.2, 8.1, 8.2, 8.3, 8.4	CVT	N/A	N/A	N/A	N/A	N/A	W	W				L	W	W		C	
37	Perform High-Quality Natural Features Inventories throughout the Watershed	1.1, 2.1, 3.6, 4.7	CVT	N/A	N/A	W	N/A	W	W	W		W	W	W	W	W			C
38	Incorporate High-Quality Natural Features Inventories into Master Plan	1.1, 1.2, 2.1, 2.2, 3.6, 4.7	CVT	N/A	N/A	N/A	N/A	N/A	L	W		W		W	W	W			C
39	Study, Develop, Adopt and Implement Resource Protection Overlay District Standards	1.2, 2.1, 4.4, 6.2, 8.4	CVT	N/A	N/A	N/A	N/A	N/A	W	W				W	W	W			
40	Develop/Update Natural Areas Plan	1.1, 1.2, 1.3, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 4.4, 6.2, 7.2, 8.1, 8.2, 8.3, 8.4	CVT	N/A	N/A	N/A	N/A	N/A	L	L			W	W	W	W			
41	Perform Stream/Drain Inventories and Water Quality Monitoring throughout the Watershed	3.3, 3.6, 4.7, 5.2, 5.3	CVT, DO, HD			C	N/A	C	W	W		W	W	N/A	W	W		S	
42	Identify Areas for Recreation Enhancement	3.5, 4.4, 4.5, 5.1, 7.1, 7.2, 7.3, 8.4	CVT			N/A	N/A	N/A	L	L	S	C	C	C	C	C	L		
43	Develop/Update Recreation Plans	3.5, 4.4, 4.5, 5.1, 7.1, 7.2, 7.3, 8.4	CVT			N/A	N/A	N/A	L	L	S	C	W	C	C	C	L		C
44	Implement Greenway Corridor Vision Plans	1.3, 4.4, 6.2, 7.2, 8.4	CVT			N/A	N/A	N/A	W	W		C		C	C	W			
45	Initiate Hydrologic and Hydraulic Studies	3.6, 4.7	CVT, DO			W	N/A	W	W	W				W	C	W			
46	Study, Develop and Update Site Plan Review Process to Require Hydrogeological Investigations	2.1, 5.6	CVT			N/A	N/A	N/A	W	W			W	N/A	N/A	W		W	
47	Encourage Participation in the Purchase of Development Rights Program	6.1, 6.2	CVT			N/A	N/A	N/A	C	W		C		N/A	N/A	N/A			C

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48	Encourage Participation in the Farmland Preservation Program (P.A. 116 Program)	6.1, 6.2	CVT			N/A	N/A	N/A	C	W		C	W	N/A	N/A	N/A	N/A	N/A	C	
49	Encourage the Use of Conservation Easements	6.2	CVT			N/A	N/A	N/A	L	L		C	W	L	N/A	N/A			C	
50	Study, Develop, Adopt and Implement Agricultural Buffer Zoning Ordinance	2.1, 6.1	CVT			N/A	N/A	N/A	W	W		L	W	N/A	N/A	N/A	N/A			
51	Study, Develop, Adopt and Implement Rural Clustering Ordinance	2.1, 6.2	CVT			N/A	N/A	N/A	C	L			W	N/A	N/A	N/A	N/A		C	
52	Study, Develop, Adopt and Implement Mixed Use Zoning Ordinance	2.1	CVT			N/A	N/A	N/A	C	L			W	C	C	W			C	
53	Study, Develop, Adopt and Implement Private Road Ordinance	2.1, 4.3, 6.2, 8.3	CVT			N/A	N/A	N/A	C	C			C	C	N/A	C	N/A			
54	Minimize Directly Connected Impervious Areas	4.3, 4.4, 8.3, 8.4	CVT, RC, DO, HD, S	L	S	W	N/A	W	W	W				L	C	C				
55	Study, Develop, Adopt and Implement Yard Waste Composting Facility Ordinance	2.1, 3.2, 4.2, 4.3, 4.4, 5.3, 8.2, 8.3, 8.4	CVT			N/A	N/A	N/A	W	W		W		L	L	W			C	
56	Prevent and Remove Stream Flow Obstructions	4.3, 4.4, 8.3, 8.4	CVT, DO			C	N/A	N/A	W	W			L	N/A	C	W				
57	Study, Develop, Adopt and Implement Hazardous Materials Cleanup Ordinance	2.1, 2.2, 3.7, 4.4, 4.8, 5.5, 8.5	CVT			N/A	N/A	N/A	W	W		C	W	C	C	C				
<b>Structural and Vegetative Stormwater Management Controls</b>																				
58	Install and Maintain Storm Water Management Structures	3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.4, 5.2, 5.3, 5.4, 8.1, 8.2, 8.4	CVT, RC, DO, S	S	L	C	C*	N/A	C	W	W	W	W	C	C	C	C	L	N/A	
59	Install and Maintain Infiltration Practices	2.1, 2.3, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO, S		L	W	N/A	W	W	W	W	W		L	L	W			N/A	
60	Install and Maintain Detention/Retention Systems	2.1, 2.3, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 4.4, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO, S		L	C	N/A	N/A	W	W	W	W		C	C	C			N/A	
61	Utilize In-Stream/Shoreline Habitat Restoration Techniques	3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 5.3, 7.1, 7.4, 8.1, 8.2, 8.3, 8.4	CVT, DO, S		L	C	N/A	N/A	W	W	W			W	W	W	W		N/A	
62	Implement Alternative Drain Practices and Rehabilitation	2.1, 3.1, 4.1, 4.2, 4.3, 4.4, 8.1, 8.2, 8.3, 8.4	RC, DO			C	N/A	N/A	W	W				N/A	W	C	C		N/A	
63	Install and Maintain Streambank Stabilization Measures	3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.2, 5.3, 7.4, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO, S			C	C	N/A	W	W	W			W	W	N/A	C		N/A	
64	Replace Undersized Culverts/Repair Misaligned or Obstructed Culverts	3.1, 4.1, 4.4, 8.1, 8.4	DO, RC ***Implemented in conjunction with RC			C	C	N/A	C***	C	W			N/A	C	N/A			N/A	
65	Stabilize Eroding Road and Bridge Surfaces	3.1, 4.1, 4.4, 8.1, 8.4	RC			N/A	C*	N/A	N/A*	C			N/A	N/A	C	N/A			N/A	
66	Install and Maintain Gauge Stations	3.6, 4.7	CVT, DO, HD			W	N/A	W		C				W	C	W	C		N/A	

**Table 7.1 St. Clair County's Northeastern Watersheds Action Plan Matrix**

BMP No.	Action (BMP Strategy)	Goals & Objectives Addressed (See Table 4.2)	Responsible Party: CVT = City, Village, Township DPW = Department of Public Works RC = Road Commission DO = Drain Office HD = Health Department S = Schools	Key: C = Current Practice S = New Practice with Short-Term Commitment (to be implemented within current permit cycle, by 2008) L = New Practice with Long-Term Commitment (to be implemented after current permit cycle, in 2009 or after) W = Wish-List Item N/A = Not Applicable* (*See explanation provided in Appendix F) Blank = Not Currently Planned **ECSD = East China School District, SC4 = St. Clair County Community College, SCCDO = St. Clair County Drain Office, SCCRC = St. Clair County Road Commission; SCCHD = St. Clair County Health Department															
				ECSD**	SC4**	SCCDO**	SCCRC**	SCCHD**	Burtchville Township	Clyde Township	East China Township	Fort Gratiot Township	Kimball Township	City of Marine City	City of Marysville	Port Huron Township	City of Port Huron	City of St. Clair	St. Clair Township
	<b>Pollution Prevention/Good Housekeeping for Municipal Operations</b>																		
4	Implement Reduced Fertilizer, Pesticide and Herbicide Usage	3.2, 4.2, 4.4, 5.3, 8.2, 8.4	CVT, RC, DO, S	S	S	C	C	W	W	S	S	C	W	L	W	C	C	C	
6	Implement Employee Training Programs	2.1, 2.2, 2.3, 3.5, 4.5, 5.1	CVT, DPW, RC, DO, HD, S	C	C	S	S	S	S	C	C		S	C	C	C	C	L	C
9	Utilize Household Hazardous Waste Disposal and Electronics Recycling Programs	3.5, 3.7, 4.4, 4.5, 4.8, 5.1, 5.5, 8.4, 8.5	CVT, RC, DO, HD, S	S	C	C	S	C	C	S	C		S	S	C	C	S	S	C
13	Utilize Soil Testing Program	3.2, 4.2, 4.4, 5.3, 8.2, 8.4	CVT			N/A	N/A	N/A	W	W			L	S	W	C	C		
16	Implement Reduced Use of Road Salt and Consider Alternative Deicing Chemicals	4.4, 8.4	CVT, RC	S		S	C	S	N/A	N/A			L	L	L	N/A	C		N/A
29	Implement Soil Erosion and Sedimentation Control Ordinance and SESC Program	2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 4.5, 5.3, 8.1, 8.2, 8.3, 8.4	♦♦DPW implements for all permittees	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**	C**
30	Implement Storm Water Management Ordinance/Design Standards for Storm water Management Systems on Permittee-Owned Properties	2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.2, 5.3, 5.4, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO			C	W	W	W	W		C	C	L	C	C	S	L	
67	Install and Maintain Native Landscaping	2.1, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.2, 5.3, 7.4, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO			W	W	W	W	W	W	C	C	S	C	W	W	W	
68	Install and Maintain Riparian Buffers	3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO			W	N/A	W	W	W	W	W	L	W	W	W		W	
69	Implement and Maintain No-Mow Buffer Zones	3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.2, 5.3, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO, S			N/A	N/A	N/A	W	W	S	C	L	S	W	W		W	
70	Perform Retrofitting of Storm Water Management Facilities	2.2, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.2, 5.3, 8.1, 8.2, 8.3, 8.4	CVT, RC, DO, S		L	C	N/A	N/A	W	W	W			W	C	W	W	W	N/A
71	Perform Curb/Street Sweeping	3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.4, 5.2, 5.3, 5.4, 8.1, 8.2, 8.4	CVT, RC, S		L	N/A	C	N/A	N/A	N/A			N/A	C	C	N/A	C		N/A
72	Implement Catch Basin Cleaning Program	3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.4, 5.2, 5.3, 5.4, 8.1, 8.2, 8.4	CVT, RC, DO, S	S	S	C	C	N/A	C	N/A		C	W	C	C	C	C	C	C
73	Utilize Retired Engineer Technical Assistance Program (RETAP) to Identify Improvements to Municipal Housekeeping Practices	3.1, 3.2, 3.3, 3.7, 4.1, 4.2, 4.4, 4.8, 5.2, 5.3, 5.5, 8.1, 8.2, 8.4, 8.5	CVT, DPW, RC, DO, S		S	N/A	N/A	N/A	W	W			W	L	C	W	N/A		N/A
74	Perform Storm Sewer System Maintenance and Drain Cleaning	3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.4, 5.2, 5.3, 5.4, 8.1, 8.2, 8.4	CVT, DPW, RC, DO			C	C	N/A	N/A	N/A				C	C	C	C	C	N/A
75	Manage Public Facilities	3.1, 3.2, 3.3, 3.7, 4.1, 4.2, 4.4, 4.8, 5.2, 5.3, 5.5, 8.1, 8.2, 8.4, 8.5	CVT, DPW, RC, DO, HD, S	S	C	S	S	S	C	C	W		C	C	C	C	C		C
76	Develop and Implement Procedures for Disposal of Operation and Maintenance Wastes	3.1, 3.2, 3.3, 4.1, 4.2, 4.4, 5.2, 5.3, 8.1, 8.2, 8.4	CVT, DPW, RC, DO			C	C	N/A	C	C		N/A	S	C	C	C	C		C
77	Maintain Sanitary Sewer System Infrastructure	3.2, 3.3, 3.4, 4.2, 4.4, 5.2, 5.3, 8.2, 8.4	CVT			N/A	N/A	N/A	N/A	N/A		C		C	C	C	C	C	C

**Table 7.1 St. Clair County’s Northeastern Watersheds Action Plan Matrix**

BMP No.	Action (BMP Strategy)	Goals & Objectives Addressed (See Table 4.2)	Responsible Party: CVT = City, Village, Township DPW = Department of Public Works RC = Road Commission DO = Drain Office HD = Health Department S = Schools	Key: C = Current Practice S = New Practice with Short-Term Commitment (to be implemented within current permit cycle, by 2008) L = New Practice with Long-Term Commitment (to be implemented after current permit cycle, in 2009 or after) W = Wish-List Item N/A = Not Applicable* (*See explanation provided in Appendix F) Blank = Not Currently Planned **ECSD = East China School District, SC4 = St. Clair County Community College, SCCDO = St. Clair County Drain Office, SCCRC = St. Clair County Road Commission; SCCHD = St. Clair County Health Department															
				ECSD**	SC4**	SCCDO**	SCCRC**	SCCHD**	Burtchville Township	Clyde Township	East China Township	Fort Gratiot Township	Kimball Township	City of Marine City	City of Marysville	Port Huron Township	City of Port Huron	City of St. Clair	St. Clair Township
78	Develop and Implement Pollution Incident Prevention Plan Watershed Plan Implementation	3.7, 4.4, 4.8, 5.5, 8.4, 8.5	CVT, RC			N/A	C	N/A	C	C		C	S	C	C	W	C	L	
79	Implement Financial Solutions	All	CVT, RC, DO, HD, S		L	W	W	W	W	W	S		W	L	C	C		L	C
80	Provide Sufficient Enforcement Capability	2.2, 3.1, 3.2, 3.3, 3.7, 4.1, 4.2, 4.4, 4.8, 5.2, 5.3, 5.5, 8.1, 8.2, 8.4, 8.5	CVT, DPW, RC, DO, HD			W	N/A	W	L	W		C	L	L	C	C	L	L	C
81	Implement Institutional Framework for Watershed-Wide Actions Other Applicable BMPs	All	CVT, RC, DO, HD, S		L	W	W	W	W	W	S	C	L	L	C	C	L	W	
82	Meet Established Total Maximum Daily Loads (TMDLs) in the NEW (once developed)	3.3, 3.4, 4.6, 5.2, 5.4	CVT, RC, DO, HD, S		L	W	N/A	W	W	W	L	N/A	W	L	L	W			