

Chapter 5 Management Alternatives

5.1 ACTION PLANS BY SWAG COMMUNITIES

Individual action plans were established on a community-by-community basis. These proposed actions were tabulated and became the foundation of the subwatershed plan. These proposed actions are also the basis on which each community will develop a SWPPI. The SWPPI will be the responsibility of each permittee.

In general SWAG members developed a list of management actions that included actions currently being carried out, planned actions and new initiatives. Short term actions are defined as those to be completed by 2005. These actions will likely become part of the SWPPI for each community. These lists were developed by a team that usually included the Director of Public Works, the City Engineer, and the Director of Parks and Recreation. Where possible both the cost and the completion date were estimated for each management action. Table 5-1 shows the Management Action Lists prepared by each city.

Table 5-1: Management Action Lists

NUMBER	ACTION	SHORT TERM	LONG TERM	NEW INITIATIVE?
CITY OF DEARBORN				
D1	Ford Field bridge replacement	7/01		X
D2	Streambank stabilization/Ford Field multiple sections Brady to Military	10/03		X
D3	Ford Field pond restoration	10/03		X
D4	Storm dispersion at Military spread out southwest through woods	4/02		X
D5	Mailing to riparian land owners on BMPs with Rouge Repair Kit, 1,000 mailings at \$3	4/01		X
D6	IDEP testing/study	11/01	X	
D7	H/H modeling for bank stabilization	12/00		
D8	TV inspection for storm drain	12/05	X	X
D9	GIS – storm sewer database	10/02	X	X
D10	Public education Web site	4/01	X	X
D11	Increase Infiltration in Ford Field	7/01	X	X
D12	Study of Streambank in city-owned golf course			X
D13	-Buy/rent/menzie muck -In-house manpower with volunteers	11/03 11/03		X
D14	Repair/restore erosion at major drainage structures	10/05	X	
D15	Catch basin cleaning/repair	X	X	
D16	Street sweeping	X	X	
D17	Leaf removal	X	X	
D18	HHHW program	X	X	
D19	Build new salt storage facility	Complete		X

NUMBER	ACTION	SHORT TERM	LONG TERM	NEW INITIATIVE?
D20	Yard waste composting program	X	X	
D21	Rain barrel project FOTR grant	Current		X
D22	Maintain green roof on city hall	X	X	
D23	CSO -Cured in place lining (in situ form)	X		
D24	TV inspection of CSO	X	X	X
D25	CSO – A, B and Roulo Creek			
D26	Dearborn share of DWSD – CSO			
D27	Down spout disconnection program/ordinance	X	X	X
D28	SSO identification	X	X	
CITY OF DEARBORN HEIGHTS				
DH1	Recreational vehicle ordinance	X		X
DH2	SSO Identification	X		
DH3	Streambank Stabilization/Ecorse Creek	X		
DH4	Illegal dumping coordination with fire and police	X		X
DH5	Educating residents about BMPs	X		X
DH6	IDEP pilot project	X		
DH7	TV Inspection for storm drains	X		
DH8	GIS/Storm sewers	X		
DH9	Public education Web site	X		
DH10	Illicit connection ordinance	X		X
DH11	Ecorse Creek clean-up	X		
DH12	Log jam removal/Rouge Rescue	X		
DH13	Repair/restore erosion problems at Ecorse Creek	X		
DH14	Catch basin cleaning/repair	X		
DH15	Annual HHW program	X		
DH16	GIS Study/street sweeping	X		
DH17	TV Inspection of CSOs	X		
DH18	Downspout disconnection program	X		
DH19	Weekly street sweeping	X		
DH20	Ecorse Creek drainage district assessment(per house)	X		
DH21	Storm and sanitary drain cleaning	X		
DH22	GIS grant for storm water management	X		
DH23	Household battery collection	X		
DH24	Assist RRAC with RAP development	X		
DH25	Bi-annual newsletter to residents and businesses	X		
DH26	Create/Maintain Watershed Stewards Commission	X		X
DH27	TIFA support for Ecorse Creek clean-up	X		X
DH28	Support FOTR Education Center	X		X
DH29	River Oaks Pond restoration (w/Wayne County)	X		X
DH30	Lift station for SSOs(with other communities)			
DH31	CSO basin monitoring	X		

NUMBER	ACTION	SHORT TERM	LONG TERM	NEW INITIATIVE?
DH32	Septics Program	X		
DH33	Flooding education	X		
DH34	Ecorse Creek flood mitigation plan	X		
DH35	Referrals to Wayne County hotline	X		
DH36	Rouge and Ecorse Creek Info on Cable TV	X		
DH37	Hired Storm Water Consultant			
DH38	Cross Connection Program	X		
DH39	Address 10 remaining CSOs		X	
DH40	Ecorse Creek detention pond			X
DH42	Tree planting program	X		
DH43	Broadcast Rouge Video	X		
DH44	Require retention/detention for new projects			
DH45	Develop subwatershed plan	X		
DH46	Develop P2 Initiative	X		
DH47	Sanitary Sewer Lining	X		
DH48	Apply for grants	X		
DH49	Install flood mitigation sensors in Ecorse Creek/reverse 911			X
DH50	Storm drain stenciling	X		
DH51	Dearborn Heights share of DWSD CSO			
DH52	Corrective Action Plan for increased sewer capacity	X		
DH53	Periodic council meetings on Rouge matters	X		
DH54	Citizens survey		X	X
DH55	Downriver sewer project (sanitary sewer relief)	X		
DH56	Annual Ecorse Creek operational maintenance	X		
DH57	Parkland Park improvements	X		
DH58	Environmental Awareness Center		X	X
DH59	Purchase land along Ecorse Creek to prevent development		X	X
DH60	Flood mitigation grant from FEMA	X		
DH61	Building Dept. and DPW Staff Training	X		
DH62	Develop Ecorse Creek Watershed Mgmt. Plan		X	X
CITY OF ALLEN PARK				
AP1	Softening of Rouge Channel			X
AP2	Catch and Release Pond			X
AP3	Allen Road trail		X	
AP4	Cleaning catch basins	ongoing	X	
AP5	Street sweeping	weekly	X	
AP6	HHW Day	annually	X	
AP7	IDEP program		X	
AP8	Wet weather pump station	X		
AP9	Dye testing and smoke testing	X		

NUMBER	ACTION	SHORT TERM	LONG TERM	NEW INITIATIVE?
AP10	TV camera scoping	X	X	X
CITY OF MELVINDALE				
M1	Public Information mailings	X		
M2	Street sweeping	weekly	X	
M3	Leaf removal	seasonal	X	
M4	Inspect damaged storm drains	X		
M5	Build SSO treat and release system	X	X	X
M6	Smoke test sanitary system	X		
M7	GIS storm sewer database	X	X	
M8	Clean or repair catch basins		X	
M9	HHW program	annually	X	
M10	Curbside collection of yard waste	weekly	X	
M11	Melvindale share of DWSD CSO for 15 years	X	X	
M12	Downspout disconnection ordinance/re-inspect when house is sold or rented	X	X	
M13	Rouge Rescue	X	X	
M14	No mow area around riverbank	X	X	
REDFORD TOWNSHIP				
RT1	CSO Basin educational tours	X	X	
RT2	IDEP Staff Training	X	X	X
RT3	Outfall Inspection at Public Facilities	X		
RT4	Inspect 100% of outfalls Cleaning catch basins	X		
RT5	Illegal dumping hotline	X	X	
RT6	HHW Day	annually	X	
RT7	Storm water Mgmt. for New Development		X	
RT8	On-site retention (county standard)	X	X	
RT9	Sewer System Cleaning	X	X	
RT10	TV camera scoping			
RT11	Home Lawn and Garden Maintenance.	X	X	
RT12	Public Facilities Management	X	X	
RT13	Pavement Cleaning (3-4 times yr)	X	X	
RT14	Golf Course/Recreation Mgmt.	X	X	
RT15	Audit of Chemical Use/Storage	X	X	
RT16	Off Channel Storm Water Retention		X	X
RT17	Oil and Grease Trap Devices	X	X	
RT18	CSO Retention/Treatment Facilities.	X	X	
RT19	Rouge Rescue	X	X	
RT20	Direct informational mailings	X	X	
RT21	Storm Drain Stenciling	X	X	
RT22	River Signage	X	X	X
RT23	Rouge Cable Broadcasts	X	X	
RT24	Video Tapes	X	X	X

NUMBER	ACTION	SHORT TERM	LONG TERM	NEW INITIATIVE?
RT25	Public Bldg. Displays	X	X	
RT26	Presentations to Local Orgs/Schools	X	X	
RT27	Community Meetings on Subwatershed Plan	X	X	X
WAYNE COUNTY				
WC1	IDEP – Trained Staff	X	X	
WC2	IDEP – Inspected Public Owned Facilities	X	X	
WC3	IDEP - Inspected Public Storm Drains	X	X	
WC4	Local Ordinances/Enforcement	X	X	X
WC5	Hot Line Reporting System & Compliant Follow Up	X	X	X
WC6	Household Hazardous Management		X	X
WC7	Storm Water Ordinance Development	X	X	X
WC8	Home Lawn and Garden Maintenance	X	X	X
WC9	Admin. Soil and Sedimentation Controls	X	X	X
WC10	Staff Trained/Planned Training	X	X	X
WC11	Storage/Loading/Unloading Operations	X	X	X
WC12	Outdoor Work Area Management	X	X	X
WC13	Vehicles and Equipment Management	X	X	X
WC14	Pavement Cleaning	X	X	X
WC15	Deicing Practices Review	X		X
WC16	Golf Course/Recreation	X		X
WC17	Audit of Chemical Use/Storage		X	X
WC18	Inspections at Time of Sale	X	X	X
WC19	Septage Disposal Reporting	X	X	X
WC20	Regional Septage Disposal	X	X	X
WC21	Catch Basin Cleaning	X	X	X
WC22	Sewer System Cleaning		X	
WC23	SSO Identification/Control	X	X	
WC24	System Master Planning/GIS	X	X	
WC25	Wet Detention Ponds	X	X	
WC26	Dry Extended Detention	X	X	
WC27	Off-Channel Storm Water Retention	X	X	
WC28	Constructed Wetlands	X	X	
WC29	Swales and Filter Strips	X	X	
WC30	Storm Water Infiltration Basin		X	
WC31	Storm System Media Filters	X	X	
WC32	Sediment Ponds	X	X	
WC33	Oil and Grease Trap Devices	X	X	

NUMBER	ACTION	SHORT TERM	LONG TERM	NEW INITIATIVE?
WC34	CSO Retention/Treatment Facilities	X	X	
WC35	Outlet Stabilization	X	X	
WC36	Engineered Streambank Measures	X	X	
WC37	Bioengineered Streambank Measures	X	X	
WC38	Biotechnical Streambank Measures	X	X	
WC39	Flow Obstruction Prevention/Removal	X	X	
WC40	Habitat Restoration	X	X	
WC41	Rouge Clean-up	X	X	
WC42	Rouge Education Project	X	X	
WC43	River Friendly Business Program	X	X	
WC44	Storm Drain Stenciling	X	X	X
WC45	River Signage	X	X	X
WC46	Brochures (Residential Car Washing, etc.)	X	X	X
WC47	Cable Broadcasts/Web Site	X	X	X
WC48	Video Tapes	X		X
WC49	Public Building Displays	X	X	X
WC50	Presentation to Local Organizations/Schools	X	X	X
WC51	PSA Radio Spots		X	X
WC52	Community Meetings on Subwatershed Plan	X	X	X
WC53	On-Site Storm Water Retention Required	X		
WC54	Direct Mailings to Homes	X	X	

5.2 MATRIX OF ACTIONS VERSUS GOALS

The next challenge was to compare the list of proposed actions identified by each SWAG community with the short- and long-term goals identified by the SWAG as a whole, as well as the BMPs. Questions that needed to be addressed included:

- Have all the goals been addressed at some level?
- Collectively, will the actions identified “solve” the problem?
- Should additional goals be included?
- What other actions can be accomplished through collaboration among communities?
- What actions can/should be accomplished by others such as MDOT, County Parks, MDEQ, etc?
- Have the communities controlled their storm water to the **Maximum Extent Practicable (MEP)**?
- Are water quality standards going to be met?

Table 5-2 presents community actions in relation to both goals and BMPs. The alphanumeric designations, from the Action Tables above have been placed within the matrix to depict which goal and BMP that best corresponds to a particular action.

