

**2009 Storm Water Permit Annual Progress Report  
Table 12 - Parks and Recreation Commission (PARC)**

<b>Table 6.8: St. Clair County Storm Water Pollution Prevention Initiative Annual Reporting</b>				
<b>Goal I:</b>	<b>Restore and Enhance Recreational Uses</b>			
<b>Objective a.</b>	<b>Reduce Bacterial Loading</b>			
<i>Permit Requirement</i>	<i>Method of implementation</i>	<i>Schedule</i>	<i>Evaluation</i>	<i>Activities</i>
<i>Pollution Prevention and Good Housekeeping</i>	1) Exclude County Fair animals from Pine River.	1) and 2) Annually as part of County Fair activities	1) Report access problems at County Fair.	<b>05-09</b> • PARC has had no animal access problems at the County Fair.
	2) Store animal waste from the County Fair in bunkers and transfer to compost facility for processing.		2) Animal waste transfer/ year	<b>05-08</b> • PARC policy requires park users to remove animal waste after the county Fair is over. Most contract with Shannon Excavating who composts it on his farm in Wales Township. <b>2008-09</b> • PARC policy requires park users to remove animal waste after the county Fair is over. Most contract with Shannon Excavating who composts it on his farm in Wales Township • PARC installed 3 dog waste stations at F. Gratiot County Park, 6 at Goodells and 2 at Columbus County Park.
<b>Objective b.</b>	<b>Reduce Nutrient Loading</b>			
<i>Pollution Prevention and Good Housekeeping</i>	3) Mow and mulch all SCC Parks properties to height of 3 inches	3) As needed	3) and 4) Continuation of current compost and mowing practices.	<b>05-09</b> • PARC policy of mowing and mulching properties to a height of 3 inches.
	4) Maintain two compost stations for Parks compost waste. Reuse on flower beds.	4) As needed		<b>05 -09</b> • PARC continued to maintain compost stations for reuse on flower beds.

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<i>Pollution Prevention and Good Housekeeping</i>	5) Participate in the development of Employee PP Training materials including minimal applications of fertilizers.	5) 2007	5) Training materials	<p><b>05-06</b></p> <ul style="list-style-type: none"> <li>1 PARC attended Landscaping Training, July 2006.</li> </ul> <p><b>06-07</b></p> <ul style="list-style-type: none"> <li>1 staff SEMCOG Maintenance Yard workshop, 2 staff SEMCOG Goose Management Workshop, 4 staff MRPA Pond Management workshop.</li> </ul> <p><b>07-08</b></p> <ul style="list-style-type: none"> <li>All staff to Phragmites Control Workshop, 2 staff to Oakland County Large Woody Debris Management Workshop</li> </ul> <p><b>2008-09</b></p> <ul style="list-style-type: none"> <li>Staff attended Invasive Species Control workshop and MRPA workshop on snow clearing best practices</li> </ul>												
	6) Implement Employee PP Training, including fertilizer application.	6) 2008	6) Participation questionnaire.													
<b>Objective c. Provide Additional Public Access to Water Resources</b>																
<i>Voluntary Watershed Plan action</i>	7) Acquisition of riparian lands is a priority identified in the SCC Master Recreation Plan	7) Plan to be updated in 2007.	7) Acquisition of riparian land.	<table border="1"> <thead> <tr> <th></th> <th>04-05</th> <th>05-06</th> <th>06-07</th> <th>07-08</th> <th>08-09</th> </tr> </thead> <tbody> <tr> <td><b>Amt. of riparian land acquired for Parks</b></td> <td>531 feet of Lake Huron shoreline</td> <td>75.7 acres Belle River Long term lease 320 ft Lake Huron Shoreline</td> <td>17.56 acres Belle River</td> <td>291 acres Belle River</td> <td>44.5 acres o Black River</td> </tr> </tbody> </table>		04-05	05-06	06-07	07-08	08-09	<b>Amt. of riparian land acquired for Parks</b>	531 feet of Lake Huron shoreline	75.7 acres Belle River Long term lease 320 ft Lake Huron Shoreline	17.56 acres Belle River	291 acres Belle River	44.5 acres o Black River
		04-05	05-06	06-07	07-08	08-09										
<b>Amt. of riparian land acquired for Parks</b>	531 feet of Lake Huron shoreline	75.7 acres Belle River Long term lease 320 ft Lake Huron Shoreline	17.56 acres Belle River	291 acres Belle River	44.5 acres o Black River											
8) Implement park millage; 25% to local municipalities.	8) Annually	8) Continuation of park milage	<ul style="list-style-type: none"> <li>Copy of new SCCPARC Master Recreation Plan, <a href="http://www.stclaircounty.org/Offices/parks/plan.aspx">http://www.stclaircounty.org/Offices/parks/plan.aspx</a></li> </ul> <p>Last vote was 2004. Renewal will be in 2010.</p>													

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<i>Voluntary Watershed Plan action</i>	9) Apply for grant funding to acquire riparian land for future properties.	9) Annually	9) Grant fund applications for riparian land acquisition	<b>06-07</b> <ul style="list-style-type: none"> <li>MNR Trust Fund – Fort Gratiot County Park</li> <li>MNR Trust Fund – Wadhams To Avoca Trail</li> </ul> <b>07-08</b> <ul style="list-style-type: none"> <li>MNR Trust Fund – Approved Columbus County Park</li> <li>Application for property acquisition along the Black River submitted.</li> </ul> <b>2008-09</b> <ul style="list-style-type: none"> <li>MNR Trust Fund Approved – Woodsong County Park</li> </ul>														
<b>Objective d.</b>	<b>Protect and Re-establish Riparian and Instream Habitat</b>																	
<i>Post Construction</i>	10) Develop policy proposal for buffers/ setbacks along waterways in SCC Parks.	10) 2008	10) Proposed policy.	<b>05-07</b> <ul style="list-style-type: none"> <li>PARC participation in SWPAC discussions. Policy drafted.</li> </ul> <b>07 – 08</b> <ul style="list-style-type: none"> <li>BOC informal post construction policy adopted.</li> </ul> <b>2008-09</b> <ul style="list-style-type: none"> <li>No actions</li> </ul>														
-----	11) Plant trees in riparian areas.	11) As funds are available	11) Implementation	<table border="1"> <thead> <tr> <th><b>Tree planting</b></th> <th><b>05-06</b></th> <th><b>06-07</b></th> <th><b>07-08</b></th> <th><b>08-09</b></th> </tr> </thead> <tbody> <tr> <td># of trees planted</td> <td>0</td> <td>86 F. Gratiot</td> <td>62 Goodells 10 F. Gratiot</td> <td>45 Goodells</td> </tr> </tbody> </table>					<b>Tree planting</b>	<b>05-06</b>	<b>06-07</b>	<b>07-08</b>	<b>08-09</b>	# of trees planted	0	86 F. Gratiot	62 Goodells 10 F. Gratiot	45 Goodells
<b>Tree planting</b>	<b>05-06</b>	<b>06-07</b>	<b>07-08</b>	<b>08-09</b>														
# of trees planted	0	86 F. Gratiot	62 Goodells 10 F. Gratiot	45 Goodells														
<b>Goal II:</b>	<b>Restore and Protect Aquatic Life</b>																	
<b>Objective a.</b>	<b>Protect and Re-establish Riparian and Instream Habitat</b>																	
<i>Pollution Prevention and Good Housekeeping</i>	12) Maintain oil and grease traps at Operations Center.	12) Annual Inspections	12) Inspection and maint. record	<b>06-07</b> <ul style="list-style-type: none"> <li>No oil /grease traps at the Operations Center. Facility inspection cited no oil stains, proper storage of waste oil, and good BMPs.</li> </ul> <b>07-08</b> <ul style="list-style-type: none"> <li>Improvements made as a result of inspection: secondary containment of used Oil, additional fire cabinets at all PARC locations, secured storage for aerosols and new oil/fluids</li> </ul> <b>2008-09</b> <ul style="list-style-type: none"> <li>No additional changes</li> </ul>														

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	13) Implement PP Training include salt/ deicing applic.	13) 2007	13) Sign in sheets; Training surveys.	<p><b>2006-07</b></p> <ul style="list-style-type: none"> <li>• PARC staff “Proper loading and calibration of spreaders”.</li> </ul> <p><b>2007-2008</b></p> <ul style="list-style-type: none"> <li>• No training this year.</li> </ul> <p><b>2008-09</b></p> <ul style="list-style-type: none"> <li>• MRPA Workshop on Snow Removal best practices</li> </ul>															
<i>Pollution Prevention and Good Housekeeping</i>	14) Continue to buy salt in small quantities as needed.	14) Annually	14) IDEP inspection report, 2007	<table border="1"> <thead> <tr> <th><b>PARC Deicing Materials</b></th> <th><b>05-06</b></th> <th><b>06-07</b></th> <th><b>07-08</b></th> <th><b>08-09</b></th> </tr> </thead> <tbody> <tr> <td>Rock Salt</td> <td>500 lb.</td> <td>400 lb.</td> <td>1000 lb.</td> <td>Not avail.</td> </tr> <tr> <td>Magnesium chloride</td> <td>500lb.</td> <td>400lb.</td> <td>0</td> <td>2000lbs</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>• 05-07: Salt and magnesium chloride bought in 40 lb. bags.</li> <li>• 07-08 Salt bought in 50 lb. bags. Long, snowy winter</li> </ul>	<b>PARC Deicing Materials</b>	<b>05-06</b>	<b>06-07</b>	<b>07-08</b>	<b>08-09</b>	Rock Salt	500 lb.	400 lb.	1000 lb.	Not avail.	Magnesium chloride	500lb.	400lb.	0	2000lbs
	<b>PARC Deicing Materials</b>	<b>05-06</b>	<b>06-07</b>	<b>07-08</b>	<b>08-09</b>														
Rock Salt	500 lb.	400 lb.	1000 lb.	Not avail.															
Magnesium chloride	500lb.	400lb.	0	2000lbs															
	15) Store salt in Operations Center and Maintenance Barn	15) Annually	15) IDEP inspection report, 2007	<p><b>05 -06</b> 40 lb. bags, Operations Center &amp; Maintenance Barn.  <b>06-07</b> Facility inspections conducted. Results compiled late 07.  <b>07 – 08</b> Improvement made as a result of inspection: all salt is now properly stored in a central location at the Quonset Hut  <b>2008-09</b></p> <ul style="list-style-type: none"> <li>• Salt is now stored on pallets in Maintenance Barn</li> </ul>															
<i>Post Construction</i>	16) Develop policy to provide buffers/ setbacks along waterways in SCC Parks.	16) 2008	16) Proposed policy	<b>See Goal I, objective d of this table</b>															

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<b>Objective d</b>	<b>Protect Open Space and Natural Areas within the Watershed</b>			
-----	17) Plant trees in riparian areas	17) As funds are available	17) Implementation	<b>See goal I, objective d of this table.</b>
<i>Illicit Discharge</i>	18) Regularly clean up portions of the Pine River in Goodells Park.	18) 1) As needed.	18) 1) Clean up activities/year.	<b>2005-08</b> PARC staff regularly monitors and removes snagged tree limbs and litter from the Pine River which runs through the southwest portion of Goodells Park. <b>2008-09</b> PARC staff regularly monitors and removes snagged tree limbs and litter from the Pine River which runs through the southwest portion of Goodells Park. Additionally staff is diligent in using clear and open method to clear jams from Belle River at Columbus County Park
<i>Pollution Prevention and Good Housekeeping</i>	19) All trucks taken off site for maintenance	<b>Current practice; will notify of future changes.</b>		<b>2005-08</b> PARC trucks maintained off-site at P. Huron Tire / Firestone and Hill's Garage. P. Huron Tire contracts with Crystal Flash Partnership of Michigan (MID 985 602 846) for oil and antifreeze disposal Tire disposal through Environmental Rubber Recycling (S-3-25-20255). <b>2008-09</b> • Continued reliance on 3 <sup>rd</sup> party service providers
	20) Mowers maintained on site; oil disposal private contractor	20) Current	20) Disposal records	Mower oil is collected in 5 gallon waste containers and recycled at Tractor Supply Company or Auto Zone. <b>06-07:</b> none recycled; no receipts. <b>07-08:</b> One 5 gallon container still not filled. None recycled; no receipts. All oil changes except small equipment is done off site <b>2008-09</b> • One 5 gallon container still not filled. None recycled; no receipts. All oil changes except small equipment is done off site
	21) Maintain minimal inventory of HHW	<b>Current practice; will notify of future changes.</b>		<b>05-08</b> PARC buys minimal amounts of hazardous materials. 2007 inspection verified this. Large quantities of hazardous material stored above ground with secondary containment. <b>2008-09</b> No Changes – Pesticides, Fertilizers, splashpad chemicals and cleaning products purchased on an as needed basis.

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<b>Goal III:</b>	<b>Protect Public Health</b>			
<b>Objective b.</b>	<b>Reduce Pollutants Resulting in Fish Advisories</b>			
<i>Pollution Prevention and Good Housekeeping</i>	22) Gasoline and diesel are stored above ground with secondary containment.	22), 23), 24) IDEP facility inspections, 2007.	22), 23), 24) Good report on inspection facility.	<p><b>05-06</b> PARC stores gasoline and diesel in above ground tanks with secondary containment.</p> <p><b>06-07</b> Inspection: secondary containment needs plug and regular inspections.</p> <p><b>07-08</b> Improvements made as a result of inspection: Plugs replaced in gas secondary containment. Oil absorbent booms available if sheen is present before releasing water.</p> <p><b>2008-09</b></p> <ul style="list-style-type: none"> <li>Fueling station installed at Columbus County Park. Designed and installed to exceed state and national regulations in regards to double containment and overfill protection.</li> </ul>
<i>Pollution Prevention and Good Housekeeping</i>	23) PR's trucks maintained at commercial garages.			<p><b>See PARC A Bay SWPPI AR, Goal II, Objective d.</b></p> <p><b>05-08</b> PARC stores flammable liquids in the maintenance barn. 07 Inspection noted that flammable liquids are properly stored.</p> <p><b>2008-09</b></p> <ul style="list-style-type: none"> <li>No changes</li> </ul>
	24) Flammable liquids are stored in a locker in the maintenance barn.			

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<b>Goal IV</b>	<b>Reduce Impacts from Peak Flows</b>			
<b>Objective c.</b>	<b>Reduce Storm Water Runoff Quantity and Minimize Post-storm Instream Velocities</b>			
<i>Post Construction</i>	25) Implement infiltration BMPs as part of PR's new construction projects.	25) 1) As needed	25) 1) Implementation	<p><b>05-06</b> Completed Phase I construction at Fort Gratiot County Park. Installation of rain gardens discussed for later phases.</p> <p><b>06-07</b> F. Gratiot County Park – all impervious surfaces sheet runoff to open vegetated ditches before discharge to county drain. Sandy soils provide infiltration.</p> <p><b>07 -08</b> Repaired catch basins in Community Center Parking lot to stop erosion and settling caused by ground water intrusion</p> <p><b>2008-09</b></p> <ul style="list-style-type: none"> <li>• No infiltration BMPs installed; see MS4 project description below.</li> </ul>

**2008-2009: Additional Storm Water Activities**

- PARC did improvements to their MS4 system at Goodells Park. Storm water was diverted from entering horse rings and now bypasses the rings through storm water lines that discharge to the Pine. This will prevent storm water contamination from horse manure.