

**DESCRIPTION**

Miller Creek runs east from Big Rock Ridge in central Marin County through the Las Gallinas Valley and into San Pablo Bay. The Miller Creek watershed has been grazed continuously since the 1800s, and the creek has experienced severe widening and down-cutting as a result. The creek maintains more of its natural channel than other eastern Marin County streams, and supports a variety of native fish. The majority of the creek is in agricultural uses in the upper and lower reaches, with suburban residential areas in the middle reaches.

Miller Creek has a high sediment load in the upper reaches from grazing practices. Impacts in the lower reaches are primarily from residential urban runoff and hydromodification.



San Pablo Bay National Wildlife Refuge

(Photo courtesy Friends of the San Pablo Bay National Wildlife Refuge, <http://www.pickleweed.org/>).

**REASON FOR CCA IDENTIFICATION**

Miller Creek is a 2002 303(d)-listed **impaired waterbody that is adjacent to a Wildlife Refuge** (San Pablo Bay National Wildlife Refuge). The creek also flows through the John F. McInnis County Park.

**POLLUTED RUNOFF CONDITIONS**

	Top 5 Runoff Pollutants of Concern					Efforts to Address Pollutants (See next page)
	<u>2002 303(d)-Listed Pollutants</u> TMDL Priority (& Proposed Completion)	<u>Other Pollutants of Concern<sup>1</sup></u>				
<b>Selected Coastal Waterbodies</b>	<b><u>Diazinon</u></b>	<b><u>Sediment</u></b>	?	?	?	
Miller Creek ▲	▲ High (2004)	▲				a, b, c
Unnamed Tributaries ■						
<b>Potential Sources of Pollutants in Coastal Waterbodies</b>						
<b>Agriculture</b>		▲				
<b>Forestry (Silviculture)</b>						
<b>Urban Areas</b>						
➢ Urban Runoff/ Storm Sewers	▲	▲				a, b, c, d
<b>Marinas &amp; Boating</b>						
<b>Hydromodification</b>		▲				
<b>Wetlands &amp; Riparian Areas</b>						e

<sup>1</sup> Information on sediment as a pollutant of concern is from the San Francisco Bay Regional Water Quality Control Board.

## Miller Creek CCA

### MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

<b>a)</b>	<b>Marin County Stormwater Pollution Prevention Program (MCSTOPPP) Stormwater Management Plan: Action Plan 2005</b>	<a href="http://mcstoppp.org/action.htm">http://mcstoppp.org/action.htm</a>		
	Marin County Stormwater Pollution Prevention Program (MCSTOPP)	Liz Lewis	(415) 499-7226	<a href="mailto:mcstoppp@co.marin.ca.us">mcstoppp@co.marin.ca.us</a>
	➤ County-wide urban stormwater action plan, addresses a variety of NPS pollutants through inspections, outfall and illicit discharge monitoring, and public outreach programs.			
<b>b)</b>	<b>Diazinon and Pesticide-Related Toxicity in Bay Area Urban Creeks, Water Quality Attainment Strategy and TMDL (2004)</b>	<a href="http://www.swrcb.ca.gov/rwqcb2/urbanckrsdiazinontmdl.htm">http://www.swrcb.ca.gov/rwqcb2/urbanckrsdiazinontmdl.htm</a>		
	San Francisco Bay Regional Water Quality Control Board	Tom Mumley	(510) 622-2395	<a href="mailto:tmumley@waterboards.ca.gov">tmumley@waterboards.ca.gov</a>
	➤ Draft implementation strategy for diazinon Total Maximum Daily Load (TMDL) in Bay Area urban creeks.			
<b>c)</b>	<b>Aquatic Macroinvertebrate Sampling Program</b>	<a href="http://mcstoppp.org/">http://mcstoppp.org/</a>		
	Marin County Stormwater Pollution Prevention Program (MCSTOPPP)	Liz Lewis	(415) 499-7226	<a href="mailto:lizlewis@co.marin.ca.us">lizlewis@co.marin.ca.us</a>
	➤ Creek assessment program.			
<b>d)</b>	<b>Friends of Miller Creek (Lucas Valley)</b>	<a href="http://mcstoppp.org/">http://mcstoppp.org/</a>		
		Betty Jones	(415) 472-4723	
	➤ Erosion control. Encourages residents and businesses to adopt creek-friendly practices, and works with local governments and public agencies to advocate for policies that benefit natural ecosystems.			
<b>e)</b>	<b>East Marin Watershed Restoration (2004-2005)</b>	<a href="http://www.marincc.org">http://www.marincc.org</a>		
	Marin Conservation Corps, in partnership with Marin County Public Works and MCSTOPPP			
	➤ Grant to restore 1,500 feet along Miller Creek, remove non-native invasive riparian vegetation and replant with native plants.			

### REGULATORY/PLANNING JURISDICTIONS

➤ City of San Rafael, Community Development Administration	<a href="http://www.cityofsanrafael.org/commdev/">http://www.cityofsanrafael.org/commdev/</a>	Bob Brown	(415) 485-3085	<a href="mailto:planning@ci.san-rafael.ca.us">planning@ci.san-rafael.ca.us</a>
➤ Marin County Stormwater Pollution Prevention Program	<a href="http://mcstoppp.org/">http://mcstoppp.org/</a>	Liz Lewis	(415) 499-7226	<a href="mailto:lizlewis@co.marin.ca.us">lizlewis@co.marin.ca.us</a>
➤ Marin County, Community Development Dept.	<a href="http://www.co.marin.ca.us/depts/CD/main/index.cfm">http://www.co.marin.ca.us/depts/CD/main/index.cfm</a>	Thomas Lai	(415) 499-6292	<a href="mailto:tlai@co.marin.ca.us">tlai@co.marin.ca.us</a>
➤ San Francisco Bay Conservation and Development Commission	<a href="http://www.bcdc.ca.gov">http://www.bcdc.ca.gov</a>	Lindy Lowe	(415) 352-3642	<a href="mailto:lindyl@bcde.ca.gov">lindyl@bcde.ca.gov</a>
➤ Calif. Coastal Commission, Water Quality Unit	<a href="http://www.coastal.ca.gov/nps/npsndx.html">http://www.coastal.ca.gov/nps/npsndx.html</a>	Lisa Sniderman	(415) 904-5270	<a href="mailto:lsniderman@coastal.ca.gov">lsniderman@coastal.ca.gov</a>
➤ San Francisco Bay Regional Water Quality Control Board	<a href="http://www.waterboards.ca.gov/sanfranciscobay/">http://www.waterboards.ca.gov/sanfranciscobay/</a>	Bill Johnson	(510) 622-2354	<a href="mailto:wjohnson@waterboards.ca.gov">wjohnson@waterboards.ca.gov</a>
➤ State Water Resources Control Board	<a href="http://www.waterboards.ca.gov/">http://www.waterboards.ca.gov/</a>	Heidi Hall	(916) 323-2871	<a href="mailto:hhall@waterboards.ca.gov">hhall@waterboards.ca.gov</a>

## Miller Creek CCA

➤ California Coastal Conservancy	<a href="http://www.coastalconservancy.ca.gov/">http://www.coastalconservancy.ca.gov/</a>	Nadine Hitchcock	(510) 286-4176	<a href="mailto:nhitchcock@scc.ca.gov">nhitchcock@scc.ca.gov</a>
➤ Calif. Dept. of Fish & Game, Region 3	<a href="http://www.dfg.ca.gov/">http://www.dfg.ca.gov/</a>	Bill Cox	(707) 944-5500	<a href="mailto:bcox@dfg.ca.gov">bcox@dfg.ca.gov</a>