

DESCRIPTION

Napa River drains a 426 square mile watershed, which includes extensive estuarine wetlands near its confluence with San Pablo Bay. Napa River watershed supports an unusually diverse community of native fish and wildlife species in its stream, riparian, and wetland habitats, although abundance and distribution of several fish and aquatic wildlife species are believed to have diminished substantially. Historically, the watershed supported large runs of steelhead trout and coho salmon. Coho salmon have since been extirpated, and the steelhead run has declined substantially, although it appears to be the largest remaining run in the streams discharging directly to San Francisco Bay.

Evidence of widespread bank erosion, and severe surface erosion at sites being cleared for hillside vineyards in the late 1980s, led to listing the Napa River and its tributaries as impaired by sediment. The river is also impaired by pathogens and nutrients. Considerable open space remains in the watershed, and potential for habitat enhancement and restoration is very high.



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

Napa River is a 2002 303(d)-listed **impaired waterbody that is adjacent to a Wildlife Refuge** (San Pablo Bay National Wildlife Refuge).

POLLUTED RUNOFF CONDITIONS

	Top 5 Runoff Pollutants of Concern					Efforts to Address Pollutants (See next page)
	2002 303(d)-Listed Pollutants TMDL Priority (& Proposed Completion if available)			Other Pollutants of Concern ¹		
Selected Coastal Waterbodies	Nutrients	Pathogens	Sediment	Temperature	?	
Napa River ▲	▲ Medium	▲ Low	▲ Medium	▲		
Fagan Slough ■						
Carneros Creek •						
Suscol Creek ◆						
Unnamed Tributaries □						
Potential Sources of Pollutants in Coastal Waterbodies						
Agriculture	▲	▲	▲			c, f, g, k, l, m, o
Forestry (Silviculture)						
Urban Areas						
➤ Urban Runoff/ Storm Sewers		▲	▲			n, e, q, r
➤ Construction/ Land Development			▲			a, b, c, g, i, k
➤ Land Development			▲			
Marinas & Boating						
Hydromodification						c, d, f, g, j, k
Wetlands & Riparian Areas						j, k, p

Napa River CCA

¹ Information on temperature as a pollutant of concern is from the San Francisco Bay Regional Water Quality Control Board.

MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

a)	Carneros Creek Stewardship Project		http://www.napawatersheds.org/Content/10052/Carneros_Creek_Watershed_Stewardship_Group.html
	David Graves	(707) 252-0592	dwg@saintsbury.com
	➤ Have completed watershed analysis and management plan. Priorities include management of large wood in channels, road erosion control and prevention, riparian restoration, and enhancement of instream flows.		
b)	Sulfur Creek Stewardship Project		http://www.naparcd.org/
	Napa County Resource Conservation District	Leigh Sharp	(707) 252-4188 leigh@naparcd.org
	➤ Have completed watershed analysis and management plan. Priorities include management of large wood in channels, road erosion control and prevention, riparian restoration, and protection of instream flows.		
c)	Napa Green Certification for Vineyards		http://www.naparcd.org/
	Napa County Resource Conservation District	Leigh Sharp	(707) 252-4188 leigh@naparcd.org
	➤ Landowners and managers for 20,000 acres of vineyards and wild lands are enrolled in program to control and prevent erosion, enhance stream setbacks and habitat functions, and resolve impacts of water resource on fisheries.		
d)	Channel Restoration in Rutherford Reach of Mainstem Napa River (2003-2004)		http://www.naparcd.org/
	Napa County Resource Conservation District	Davie Pina	(707) 944-2229 staff@naparcd.org
	➤ Maintaining landowner support for the restoration plan, facilitating public meetings and educational workshops, fund-raising for project implementation, coordinating ongoing monitoring, and regulatory agency coordination.		
e)	Napa County Stormwater Pollution Management Program		http://www.co.napa.ca.us/GOV/Departments/DeptPage.asp?DID=17500&LID=1098
	Napa County, Dept. of Public Works, Stormwater Management	Todd Adams	(707)253-4351 tadams@co.napa.ca.us
	➤ Phase II municipal stormwater management program initiated in fall of 2003.		
f)	Conservation Planning and Development		http://www.co.napa.ca.us/Gov/Departments/DeptDefault.asp?DID=29000
	Napa County Dept. of Conservation	Hillary Gitelman	707-253-4416 cdp@co.napa.ca.us
	➤ Programs include effort to revise County General Plan to aid analysis of cumulative effects on stream and riparian habitat functions; address excessive erosion associated with hillside agricultural and development projects.		
g)	Napa River Basin Total Maximum Daily Load (TMDL) Projects		www.waterboards.ca.gov/sanfranciscobay/tmdlmain.htm
	San Francisco Bay Regional Water Quality Control Board	Peter Krottje Mike Napolitano	(510) 622-2382 (510) 622-2397 pkrottje@waterboards.ca.gov mnapolitano@waterboards.ca.gov
	➤ Total Maximum Daily Load (TMDL) projects for nutrients and pathogens. TMDLs examine the water quality problems, identify sources of pollutants, and specify actions that create solutions.		

Napa River CCA

h)	York Creek Fish Passage Project and Bell Canyon Water Rights Compliance (2004)		http://www.watershedrestoration.water.ca.gov/fishpassage/projects/yorkcreek.cfm
	City of St. Helena	(707) 967-2792	admin@ci.st-helena.ca.us
	➤ Fish passage improvement and stream restoration project. Major modifications of a diversion structure that was impeding fish passage structure were completed in 2004. Design and studies of York Creek Dam removal project.		
i)	Watershed Restoration Grants Program		http://www.dfg.ca.gov/
	California Department of Fish & Game	Gail Seymour	(707) 944-5579 gseymour@cdfg.gov
	➤ Stewardship support and watershed assessment.		
j)	California State Coastal Conservancy		http://www.coastalconservancy.ca.gov/
		Nadine Hitchcock	(520) 286-1015 nhitchcock@scc.ca.gov
	➤ Key funding partners for Napa Salt Pond Restoration Project, Napa Green Certification Program, Rutherford Restoration Design Project, and Napa River Basin Limiting Factors Analysis.		
k)	Napa County Resource Conservation District		http://www.naparcd.org/
		Bob Zlomke	(707) 252-4188 bob@naparcd.org
	➤ Technical assistance to landowners on soil conservation and creek enhancement; outreach to establish watershed stewardships; applied management and research on effectiveness of best management practices to control surface erosion from vineyards; real-time operation of streamflow gages to aid water rights compliance and instream flows.		
l)	Soil Conservation and Creek Enhancement Technical Assistance		http://www.nrcs.usda.gov/programs/
	USDA Natural Resources Conservation Service, Napa County	Jenny McIlvaine	(707) 252-4188 jenny@naparcd.org
	➤ Technical assistance to landowners on soil conservation and creek enhancement; education and outreach to establish watershed stewardships; applied management and research on vineyard surface erosion control.		
m)	Rangeland Water Quality Protection Program		http://ucanr.org/
	Univ. of California Cooperative Extension	Morgan Dornan	(707) 435-2459 mpdornan@ucdavis.edu
	➤ Development of a statewide rangeland water quality management plan and, jointly delivered education and technical assistance by University of California Cooperative Extension.		
n)	Storm Water Management Program		http://www.co.napa.ca.us/GOV/Departments/DeptDefault.asp?DID=40500
	Napa County Department of Environmental Health	Trent Cave	(707) 253-4471 jpahl@co.napa.ca.us
	➤ A storm water management program has been established to protect waterways and enhance quality of life.		
o)	Sediment & Stewardship in the Napa River Watershed		http://www.naparcd.org/
	Napa County Resource Conservation District	Bob Zlomke	(707) 252-4188 bob@naparcd.org staff@naparcd.org
	➤ The Napa County Resource Conservation District, which represents virtually all of Napa County, is charged with protecting and enhancing the resources within the district boundaries.		
p)	Wetland Design and Management Options for Control of Mercury in San Francisco Bay (2005)		http://www.sfei.org/rmp/mercury_newsletter/HgNews10_06_04.htm#section_5
	LFR Inc., and Association of Bay Area Governments (ABAG)	Phil Lebednik (LFR), Marcia Brockbank (project manager)	(510) 596-9588 Phillip.Lebednik@lfr.com (510) 622-2325 MBrockbank@waterboards.ca.gov

Napa River CCA

➤ Project to identify specific, practical measures to substantially reduce methylation of mercury in the Bay and to produce a Wetland Implementation Report to be used in the Implementation Plan for the Bay mercury TMDL Plan.				
q)	Regional Stormwater Monitoring and Urban BMP Evaluation: A Stakeholder-Driven Partnership to Reduce Contaminant Loadings			http://www.sfei.org/
San Francisco Estuary Institute			(510) 746-7334	webfeedback@sfei.org
➤ This project aims to improve our understanding of effectiveness of storm-water management and helps prioritize implementation of further efforts to improve water quality.				
r)	Napa-Sonoma Marsh Water Quality Improvement Project			http://www.coastalconservancy.ca.gov/
The California Coastal Conservancy		Nadine Hitchcock	(510) 286-4176	nhitchcock@scc.ca.gov
➤ The resource enhancement program provides capital funds and technical assistance for the preservation, enhancement and restoration of wetlands, watersheds, riparian corridors, and other wildlife habitat lands.				

REGULATORY/PLANNING JURISDICTIONS

➤ City of Vallejo, Planning Division	http://www.ci.vallejo.ca.us/GovSite/default.asp?serviceID=89	Brian Dolan	(707) 648-4326	bdolan@ci.vallejo.ca.us
➤ Vallejo Sanitation and Flood Control District	http://www.vsfcd.com/		(707) 644-8949	
➤ Solano County, Environmental Management, Planning Services	http://www.co.solano.ca.us/SubSection/SubSection.asp?NavID=235	Mike Yankovich	(707) 421-6765	myankovich@solanocounty.com
➤ Napa County, Environmental Management Dept.	http://www.co.napa.ca.us/Gov/Departments/DeptDefault.asp?DID=40500	Trent Cave	(707) 253-4471	tcave@co.napa.ca.us
➤ Solano Resource Conservation District	http://www.solanorcd.org/	Jodie Salz	(707) 678-1655	Jodie.Salz@ca.nacdn.net mail@solanorcd.org
➤ San Francisco Bay Conservation and Development Commission	http://www.bcdc.ca.gov/	Lindy Lowe	(415) 352-3642	lindyl@bcdc.ca.gov
➤ Calif. Coastal Commission, Water Quality Unit	http://www.coastal.ca.gov/nps/npsndx.html	Lisa Sniderman	(415) 904-5270	lsniderman@coastal.ca.gov
➤ San Francisco Bay Regional Water Quality Control Board	http://www.waterboards.ca.gov/sanfranciscobay/	Mike Napolitano & Tobi Tyler	(510) 622-2300	mnapolitano@waterboards.ca.gov
➤ State Water Resources Control Board	http://www.waterboards.ca.gov/	Heidi Hall	(916) 323-2871	hhall@waterboards.ca.gov
➤ California Coastal Conservancy	http://www.coastalconservancy.ca.gov/	Nadine Hitchcock	(510) 286-4176	nhitchcock@scc.ca.gov
➤ Calif. Dept. of Fish & Game, Region 3	http://www.dfg.ca.gov/	Bill Cox	(707) 944-5500	bcox@dfg.ca.gov
➤ Calif. State Parks, Diablo Vista District	http://www.parks.ca.gov/parkindex/region_info.asp?id=5&submit1=go	Marla Hastings	(707) 938-9548	mhast@parks.ca.gov

Napa River CCA