

**DESCRIPTION**

The Garcia River is located in southern Mendocino County, north of the city of Point Arena, with about 5.5 river miles within the coastal zone. The river flows through Manchester State Park at the coast, and the Bureau of Land Management owns most of the estuary area. Uses of this river include water supply, recreation, hydropower generation, navigation, and a coldwater fishery.

The Garcia River watershed is impacted by sedimentation due to accelerated erosion from land use practices and other causes. Sedimentation particularly affects the coldwater fishery, impacting the migration, spawning, reproduction, and early development of coldwater fish such as coho salmon and steelhead trout.



Mouth of the Garcia River

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For more photos, visit: [www.californiacoastline.org](http://www.californiacoastline.org).

**REASON FOR CCA IDENTIFICATION**

The Garcia River is a 2002 303(d)-listed **impaired waterbody that flows into a Marine Protected Area** (Arena Rock Marine Natural Preserve), and was also one of the original CCAs identified in 1995 as an **impaired waterbody that flows into an estuary**.

**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<sup>1</sup></u>				
<b>Selected Coastal Zone Waterbodies</b>	<b>Temperature</b>	<b>Sediment</b>	<b>?</b>	<b>?</b>	<b>?</b>	
Garcia River ▲	▲ High (2002)	▲				
Garcia River Delta ■						
Hathaway Creek ●						
<b>Potential Sources of Pollutants in Coastal Waterbodies</b>						
<b>Agriculture</b>		▲				l
<b>Forestry (Silviculture)</b>		▲				d, g, h, i, j
<b>Urban Areas</b>		▲				g
<b>Hydromodification</b>		▲				b, c, i, j, k
➤ Streambank Modification	▲					
<b>Wetlands &amp; Riparian Areas</b>						b, g, i, j, k
➤ Removal of Riparian Vegetation	▲					k
<b>Habitat Modification</b>	▲					a, b, c, d, e, f
<b>Unspecified Nonpoint Source</b>	▲	▲				f

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

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### MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

<b>a)</b>	<b>Garcia River Watershed Enhancement Plan (1992)</b>		<a href="http://www.krisweb.com/biblio/garcia_mrcrd_monschkeetal_1992_wep.pdf">http://www.krisweb.com/biblio/garcia_mrcrd_monschkeetal_1992_wep.pdf</a> <a href="http://mrcd.ca.nacdn.net/">http://mrcd.ca.nacdn.net/</a>
	Mendocino County Resource Conservation District; Garcia River Watershed Advisory Group; State Coastal Conservancy (SCC)	Janet Olave, Mendocino Co. RCD	(707) 468-9223 <a href="mailto:janet.olave@ca.nacdn.net">janet.olave@ca.nacdn.net</a>
	➤ The plan sets out recommendations to address high chronic levels of in-channel sediment that have reduced channel diversity, and that represent a limiting factor for salmonids in the Garcia River.		
<b>b)</b>	<b>Garcia River Watershed Advisory Group</b>		
	Watershed Services Center	Craig Bell	(707) 882-1947 <a href="mailto:acenlil@mcn.org">acenlil@mcn.org</a>
	➤ To foster communication among stakeholders, assist in developing the first TMDL (Total Maximum Daily Load), and identify implementation projects to improve water quality and the Garcia's anadromous fishery.		
<b>c)</b>	<b>Gravel Management Plan (1996)</b>		
	Mendocino County Water Agency	Roland Sanford	(707) 463-4589 <a href="mailto:sanfordr@co.mendocino.ca.us">sanfordr@co.mendocino.ca.us</a>
	➤ Addresses mining of gravel from the riverbed and management of instream deposited gravel.		
<b>d)</b>	<b>Habitat Conservation Plan</b>		<a href="http://www.mrc.com/habitat%5Fconservplan.html">http://www.mrc.com/habitat%5Fconservplan.html</a>
	Mendocino Redwood Company	Adam Steinbuck	(707) 485-8731
	➤ These plans are targeted to cover management practices related to the long-term conservation as well as habitat development for a variety of species across their forestland ownership.		
<b>e)</b>	<b>Mendocino Watershed Service</b>		
		Craig Bell	(707) 882-2150 <a href="mailto:acenlil@mcn.org">acenlil@mcn.org</a>
	➤ Implement recommendations in the Garcia River Watershed Enhancement Plan: restore coldwater fisheries, save the soil, enhance planning, advise decision makers and public, restore timberland and streams and wildlife.		
<b>f)</b>	<b>Friends of the Garcia River</b>		<a href="http://www.frog.org/">http://www.frog.org/</a>
		John Hooper or Peter Dobbins	(707) 822-3086 <a href="mailto:pdobbins@mcn.org">pdobbins@mcn.org</a>
	➤ Efforts include aerial photo mapping; stream temperature/flow monitoring; and working with the local Resource Conservation District to promote voluntary rehabilitation programs to restore the stream to its former productivity.		
<b>g)</b>	<b>Coast Action Group</b>		<a href="http://www.coastal.ca.gov/publiced/directory/resdirectory/c_orgs/coastactiongroup.html">http://www.coastal.ca.gov/publiced/directory/resdirectory/c_orgs/coastactiongroup.html</a>
		Alan Levine	(707) 882-2484 <a href="mailto:alevine@mcn.org">alevine@mcn.org</a>
	➤ Efforts are intended to address riverine and Coho Salmon concerns on the Garcia River.		
<b>h)</b>	<b>Timber Harvest Plan review</b>		<a href="http://www.waterboards.ca.gov/northcoast/">http://www.waterboards.ca.gov/northcoast/</a>
	North Coast Regional Water Quality Control Board	Christine Wright-Shacklett	(707) 576-2686 <a href="mailto:cwright-shacklett@waterboards.ca.gov">cwright-shacklett@waterboards.ca.gov</a>
	➤ Regulatory oversight of numerous projects in the Navarro River watershed; review proposed Timber Harvest plans; issue waivers or Waste Discharge Requirements (permits); Stormwater program regulates construction activities.		
<b>i)</b>	<b>Klamath Resource Information System (KRIS) Navarro Project</b>		<a href="http://www.krisweb.com/krisnavarro/krisdb/html/krisweb/index.htm">http://www.krisweb.com/krisnavarro/krisdb/html/krisweb/index.htm</a>
	KRIS Web	Pat Higgins	(707) 822-9428 <a href="mailto:phiggins@humboldt1.com">phiggins@humboldt1.com</a>

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➤ To assemble information useful in salmon recovery planning, KRIS pulls together maps, data tables, charts, photographs and bibliographic resources into an easy-to-use, PC-based computer program.			
<b>j)</b>	<b>Monitoring Sediment Parameters on Blue Water Road</b>		<a href="http://mrcd.ca.nacdnet.org/">http://mrcd.ca.nacdnet.org/</a>
North Coast Regional Water Quality Control Board; Mendocino County Resource Conservation District	Kathleen Daly Lauren Clyde Janet Olave	(707) 576-2681 (707) 576-2674 (707) 468-9223	<a href="mailto:kdaly@waterboards.ca.gov">kdaly@waterboards.ca.gov</a> <a href="mailto:lclyde@waterboards.ca.gov">lclyde@waterboards.ca.gov</a> <a href="mailto:janet-olave@ca.nacdnet.org">janet-olave@ca.nacdnet.org</a>
➤ Contract is to determine to what extent the instream conditions are or are not improving for anadromous salmonids in the Garcia River watershed.			
<b>k)</b>	<b>Garcia River - Lower Mainstem Bank Stabilization/Riparian Revegetation</b>		
Bioengineering Associates	Need contact info		
➤ Using bioengineering restoration techniques, this project will stabilize and restore riparian vegetation to over 1,600 feet of the lower mainstem Garcia River, by placement of willow clusters and siltation baffles on the gravel bars.			
<b>l)</b>	<b>Bureau of Land Management</b>		
Bureau of Land Management, Ukiah Field Office	Rich Burns	(707) 468-4070	<a href="mailto:Richard_Burns@ca.blm.gov">Richard_Burns@ca.blm.gov</a>
➤ In 2004, BLM acquired 1,132 acres of the Stornetta Brothers Coastal Ranch property for natural resource and open space preservation, and public access; also an agricultural open space conservation easement over 579 acres.			

### REGULATORY/PLANNING JURISDICTIONS

➤ City of Point Arena	<a href="http://www.cityofpointarena.com/">http://www.cityofpointarena.com/</a>	Leslie Dahlhoff	(707) 882-2122	<a href="mailto:ldahlhof@mcn.org">ldahlhof@mcn.org</a>
➤ Mendocino County, Planning Dept.	<a href="http://www.co.mendocino.ca.us/planning/">http://www.co.mendocino.ca.us/planning/</a>	Charles Hudson	(707) 964-5379	<a href="mailto:HUDSONC@co.mendocino.ca.us">HUDSONC@co.mendocino.ca.us</a>
➤ Mendocino County Water Agency		Roland Sanford	(707) 463-4589	<a href="mailto:sanfordr@co.mendocino.ca.us">sanfordr@co.mendocino.ca.us</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>	Vanessa Metz	(707) 445-7873	<a href="mailto:vmetz@coastal.ca.gov">vmetz@coastal.ca.gov</a>
➤ North Coast Regional Water Quality Control Board, NPS Complaint Response	<a href="http://www.waterboards.ca.gov/northcoast/">http://www.waterboards.ca.gov/northcoast/</a>	Diana Henriouille-Henry	(707) 576-2350	<a href="mailto:dhenriouille-henry@waterboards.ca.gov">dhenriouille-henry@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>
➤ California Coastal Conservancy	<a href="http://www.coastalconservancy.ca.gov/">http://www.coastalconservancy.ca.gov/</a>	Karyn Gear	(510) 286-4171	<a href="mailto:kgear@scc.ca.gov">kgear@scc.ca.gov</a>
➤ Calif. State Parks, Mendocino District	<a href="http://www.mcn.org/1/mendoparks/Index.htm">http://www.mcn.org/1/mendoparks/Index.htm</a>	Peter Warner	(707) 937-5804	<a href="mailto:pwarn@mcn.org">pwarn@mcn.org</a>
➤ Calif. Dept. of Fish & Game, Marine Region	<a href="http://www.dfg.ca.gov/">http://www.dfg.ca.gov/</a>	Vicki Frey	(707) 445-7830	<a href="mailto:vfrey@dfg.ca.gov">vfrey@dfg.ca.gov</a>
➤ Caltrans, Stormwater Management	<a href="http://www.dot.ca.gov/hq/env/stormwater/">http://www.dot.ca.gov/hq/env/stormwater/</a>	Alex Arevalo	(707) 445-6600	<a href="mailto:Alex_Arevalo@dot.ca.gov">Alex_Arevalo@dot.ca.gov</a>
➤ Federal Bureau of Land Management	<a href="http://www.blm.gov/nh/p/index.htm">http://www.blm.gov/nh/p/index.htm</a>	Rich Burns	(707) 468-4070	<a href="mailto:Richard_Burns@ca.blm.gov">Richard_Burns@ca.blm.gov</a>