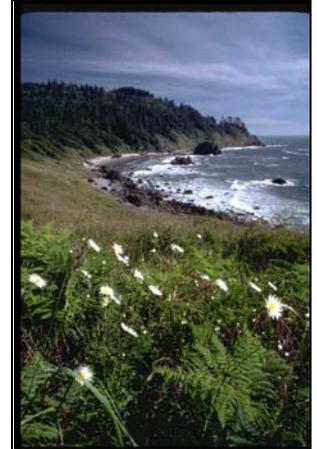


DESCRIPTION

Redwood National and State Parks, jointly managed by the National Park Service and the California Dept. of Parks and Recreation, occupy the majority of this CCA. This CCA watershed flows into 'Redwood National Park' Area of Special Biological Significance (ASBS), which has 35.9 miles of coastline. Rugged cliffs and sparse primitive campgrounds dominate this CCA, and much of the coastal access is limited to foot traffic.

There are 27 streams emptying into this ASBS, mostly carrying runoff from rural and wilderness watersheds. The Klamath River and Redwood Creek are impaired by Nonpoint Source (NPS) pollutants attributable mainly to agricultural, timber harvesting, and urban land uses. This watershed is also impacted by hydromodification and removal of riparian vegetation. There are also 41 direct discharges to the ASBS, including storm water runoff from Highway 101, and treated sanitary waste from the National Park Service facility near Requa.



Redwood National and State Parks coastline

(Photo courtesy Redwood National and State Parks).

For more photos, visit the California Coastal Records Project:

www.californiacoastline.org

REASON FOR CCA IDENTIFICATION

This watershed flows into the 'Redwood National Park' **Area of Special Biological Significance (ASBS)**, which is a State Water Quality Protection Area (SWQPA). The Klamath River is also a 2002 303(d)-listed **impaired waterbody that flows into a Marine Protected Area** ('Redwood National Park' ASBS), and was one of the original CCAs identified in 1995 as an **impaired waterbody (Klamath River) that flows into an estuary**.

POLLUTED RUNOFF CONDITIONS

Selected Coastal Zone Waterbodies	Top 5 Runoff Pollutants of Concern					Efforts to Address Pollutants (See next page)
	<u>2002 303(d)-Listed Pollutants</u> TMDL Priority (& Proposed Completion if available)				<u>Other Pollutant</u> ¹	
	<u>Nutrients</u>	<u>Organic Enrichment</u>	<u>Temperature</u>	<u>Sediment</u>	<u>Bacteria</u>	
Lower Klamath River, Klamath Glen ▲	▲ Medium	▲ Medium	▲ Medium		▲	
Redwood Creek ■			■ Low	■ Medium		a
Cushing Creek ●						
Freshwater Lagoon ◆						
Other Waterbodies □						
Potential Sources of Pollutants in Coastal Waterbodies ²						
Agriculture	▲	▲			▲	
➤ Crop Production	▲	▲				
➤ Grazing	▲	▲		■		
➤ Intensive Animal Feeding	▲					

Redwood National Park CCA

Potential Sources of Pollutants, continued	Nutrients	Organic Enrichment	Temperature	Sediment	Bacteria	Efforts to Address Pollutants
➤ Agriculture--Animal		▲				
➤ Agricultural Storm Runoff	▲	▲				
➤ Subsurface Drainage	▲	▲				
➤ Irrigation Tailwater	▲	▲				
Forestry (Silviculture)				■		a, b, c, d
➤ Harvesting & Restoration			[■]	■ [□]		a
➤ Logging Roads			■	■ [□]		a, b, c, d
Urban Areas						
➤ Construction/Land Development				■ [□]		
Hydromodification			▲			
➤ Dam Construction			▲			
➤ Upstream Impoundment/ Flow Regulation		▲	▲			
➤ Water Diversions			▲			
➤ Streambank Modification			■	■		
Wetlands & Riparian Areas						
➤ Removal of Riparian Vegetation			▲ ■	■		
Erosion/Siltation			▲ ■	■		
Habitat Modification			▲			a
Unspecified Nonpoint Source			■	[□]		
Natural Source			[▲] ■	[▲] ■		

¹ Information on bacteria as a pollutant of concern is from the North Coast Regional Water Quality Control Board.

² Brackets indicate potential sources of pollutants that are not listed in the 303(d) list for this waterbody; information on these additional potential sources is from Redwood National and State Parks.

MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

a)	Redwood Creek and Redwood National and State Parks Restoration Activities (Lower Redwood Creek)			http://www.nps.gov/redw/
	Redwood National and State Parks	Terry Hofstra	(707) 464-6101	terry_hofstra@nps.gov
	➤ Activities include closing beaches to off-road vehicle traffic (with the exception of some commercial fishermen); logging road decommissioning and rehabilitation; exotic plant removal; and annual endangered species surveys.			
b)	Upper Redwood Creek Erosion Control Program			
	Pacific Coast Fish, Wildlife, and Wetlands Restoration Association; Redwood National and State Parks; and landowners	Mitch Farro Darci Short Gary Rynearson	(707) 839-5664 (707) 825-5144 (707) 668-4483	pcfwwra@reninet.com darci_short@nps.gov grynearson@greendiamond.com
	➤ Cooperative program to reduce impacts and restore salmonid habitat through implementation of site-specific and prioritized road decommissioning, upgrading, erosion control, and erosion prevention work.			

Redwood National Park CCA

c) Integrated Watershed Strategy for Redwood Creek			
Redwood Creek Watershed Group (composed of 15 agencies, landowners, and nonprofit organizations)	Greg Bundros & Ron Barlow	(707) 825-5145 (707) 488-5952	greg_bundros@nps.gov ocsd@simple.net
➤ Working together to identify, prioritize, and implement actions to improve water quality, habitat, and general watershed health in Redwood Creek. Developing Integrated Watershed Strategy for Redwood Creek.			
d) Klamath River Watershed Restoration			http://www.yurok.com/
Yurok Tribe, Watershed Restoration	Walt Lara III	(707) 488-0108	
➤ Erosion control and road decommissioning projects.			

REGULATORY/PLANNING JURISDICTIONS

➤ Redwood National & State Parks	http://www.nps.gov/redwood/	Chris Heppe	(707) 464-6101	chris_heppe@nps.gov
➤ Humboldt County, Planning & Building Dept.	http://www.co.humboldt.ca.us/	Tom Hofweber	(707) 268-3738	thofweber@co.humboldt.ca.us
➤ Humboldt County, Public Works Dept.	http://www.co.humboldt.ca.us/	Hank Seeman	(707) 268-2680	hseeman@co.humboldt.ca.us
➤ Del Norte County, Community Development Dept.	http://www.co.del-norte.ca.us/	Ernest Perry	(707) 464-7253	eperry@co.del-norte.ca.us
➤ Yurok Tribe, Watershed Program	http://www.yurok.com/	Walt Lara III	(707) 488-0108	
➤ Calif. Coastal Commission, Water Quality Unit	http://www.coastal.ca.gov/nps/npsndx.html	Vanessa Metz	(707) 445-7873	vmetz@coastal.ca.gov
➤ North Coast Regional Water Quality Control Board, NPS Complaint Response	http://www.waterboards.ca.gov/northcoast/	Diana Henrioulle-Henry	(707) 576-2350	dhenrioulle-henry@waterboards.ca.gov
➤ State Water Resources Control Board, ASBSs	http://www.swrcb.ca.gov/plnspols/oplans/asbs.html	Connie Anderson	(916) 341-5280	csanderson@waterboards.ca.gov
➤ California Coastal Conservancy	http://www.coastalconservancy.ca.gov/	Karyn Gear	(510) 286-4171	kgear@scc.ca.gov
➤ Calif. Dept. of Fish & Game	http://www.dfg.ca.gov/	John Mello	(707) 441-5755	jmello@dfg.ca.gov
➤ Caltrans, Stormwater Management	http://www.dot.ca.gov/hq/env/stormwater/	Alex Arevalo	(707) 445-6600	Alex_Arevalo@dot.ca.gov
➤ U.S. Army Corps. Of Engineers		James Howells	(415) 977-8549	james.a.howls@spd02.usace.army.mil