# SAN LORENZO RIVER SEDIMENT TMDL TRIENNIAL REPORTING FORM

Check box if this is a new name, address, etc.

A. General Information	
1) Implementing Party(s): City of Sa	anta Cruz
2) Partnering Entities:	
3) Contact Person: Suzanne Hea	ly
4) Mailing Address: <u>809 Center St</u>	reet
5) City, State and Zip Code: Santa	a Cruz, CA 95060
	420-5131
7) Contact Email: shealy@ci.santa-	cruz.ca.us
evaluation. This report form is due education. This report form is due educated on a triennial review schedule. Implementing Parties are encourage partnering entities so that one form it contained in another existing report. If you choose to rely on an existing reindicating that the information on the	cilitate efficient and effective TMDL implementation progress every three years on January 31st, beginning on January 31, 2007 to that begins with the TMDL adoption date, December 18, 2003). In the coordinate reporting with other Implementing Parties and so submitted per TMDL action. You may rely on information (e.g., Storm Water Permit annual report, grant documents). Support, please submit this form every three years on January 31st is form is or will be covered by another report and referring to port that relate to the questions on this reporting form.  December 1, 2003 to November 30, 2006  December 1, 2006 to November 30, 2012  December 1, 2012 to November 30, 2015  December 1, 2015 to November 30, 2018  December 1, 2018 to November 30, 2021  December 1, 2021 to November 30, 2025  December 1, 2025 to November 30, 2028
	Central Coast Regional Water Quality Control Board 395 Aero Vista Drive, San Luis Obispo, CA 93401 Attn: Watershed Assessment Unit/TMDL Implementation Tracking Please call (805) 549-3336 or 549-3147 to submit electronically

## **C.** Trackable Implementation Actions

each Implementation Action.

Report on the status and effectiveness of Trackable Implementation Actions (identified in Resolution No. R3-2002-0063) per the time schedules (established in February 2005) by answering the following questions. List each Implementation Action in which you are identified as an Implementing Party, along with the time schedule and overall progress in the table. Use the narrative sections below to highlight information.

Are you identified as an Implementing Party on multiple Implementation Actions in the TMDL?
☑ YES □ NO
If yes, add additional rows as needed to the table and complete a narrative section (questions 1-5) for

Implementation Action	Time Schedule	Overall Progress					
		Not Started	Some Progress	Moderate Progress	Significant Progress	In Place and On-going	Complete
(G) Create public road database to inventory and prioritize problems for correction.	In place since 1990's					X	
(N) Evaluate need to revise erosion control provisions in City of Santa Cruz Grading Regulations and Erosion Control Ordinance to better protect sandy-soil areas.	Revised Grading Ordinance in May 2004						х

Implementation Action	Time Schedule		0	verall	Progre	ess	
		Not Started	Some Progress	Moderate Progress	Significant Progress	In Place and On-going	Complete
(P) Implement education programs and modify policies and procedures to improve riparian corridor protection, maintain channel integrity, implement alternatives to hard bank protection, and retain woody material.	1) City staff continually work with other agencies (DFG, RWQCB, CDF, County of SC) to prioritize and address water quality violations and erosion problems throughout the San Lorenzo Valley.  2) The City has an ongoing program with the San Lorenzo Valley High School (Watershed Management Internship Program).  3) In 2006, the City produced and disseminated a brochure for private landowners upstream of the Tait Street intake on the San Lorenzo River to inform them about the need to protect riparian corridors and general proper functioning condition of the River.  4) A turbidity monitoring meter was installed on the San Lorenzo River in 2004 and in Newell Creek in 2006.  5) In 1999, the City initiated the San Lorenzo Urban River Project.  6) In February 2006, the City adopted a City-wide Creeks and Wetlands Management Plan and Ordinance.					X	

Implementation Action	Time Schedule	Overall Progress					
		Not Started	Some Progress	Moderate Progress	Significant Progress	In Place and On-going	Complete
(S) Develop and implement SWMPs and SWPPPs consistent with NPDES Phase II Storm Water Regulations.	2 <sup>nd</sup> SWMP draft submitted to RWQCB in April 2004. RWQCB comments pending.					х	
(T) Identify the San Lorenzo River Watershed as a priority for site inspection and enforcement of control measures in SWMPs and SWPPs. Establish mechanism by which operators and owners of one-acre and greater construction projects are notified of the requirement to prepare SWPPS.	SLR watershed was identified as a priority for site inspection and enforcement of control measures in SWMPs and SWPPs in the City's 2 <sup>nd</sup> SWMP draft submitted to RWQCB in April 2004.  In addition, in 2004, the City modified its discretionary (zoning) permit boiler plate conditions to include a condition that requires the applicant of a construction site of one acre or greater to provide the City with proof of coverage under the state's Construction Activities Storm Water General Permit. Construction permits are not issued by the City for a project unless proof of coverage under this state permit, which requires that a site prepare a SWPPP, is provided.					X	X
(U) Consider incorporation of sediment control programs/projects into SWMPs and SWPPPS.	This was identified in the City's 2 <sup>nd</sup> SWMP draft submitted to RWQCB in April 2004.					Х	

1) General Summary (Describe activities undertaken by your agency, organization, or affiliation to implement TMDL action; other implementing parties, partnering agencies and organizations; funding mechanisms to implement action, etc...)

Please see descriptions with timelines for each implementation action in #2 below.

2) Describe progress per established time schedule such as i.) completion dates or end of a period (e.g. annually); ii.) interim milestones, or measurable goals/indications of what was completed (e.g. number of enforcement calls, cases handled, or violations; or number of erosion-control projects completed related to a number of landowners or road segments); and iii.) evidence, or information relied upon (e.g. SWMP annual report, grant submittal, database, or visual inspection)

#### For Implementation Action (G):

The City of Santa Cruz, Department of Public Works, has had a public road database since the 1990s that inventories and prioritizes problems for correction. Our database includes a "pavement management system" which utilizes a pavement condition index number as a tool to prioritize which public roads need to be fixed, paved, overlaid, reconstructed, etc. In addition, there are no unpaved public roads within the City of Santa Cruz (this does not include alleyways).

### For Implementation Action (N):

The City of Santa Cruz Grading Regulations and Erosion Control Ordinance was revised in May 2004 to improve erosion control provisions. Also, at that time other modifications to the Grading Ordinance were made including the addition of construction site management Best Management Practices for storm water pollution prevention.

## For Implementation Action (P):

- 1) Given that the San Lorenzo River provides up to 60% of the City of Santa Cruz's water supply and is an important recreational and natural resource for City residents, City staff continually work with other agencies (DFG, RWQCB, CDF, County of SC) to prioritize and address water quality violations and erosion problems throughout the San Lorenzo Valley.
- 2) The City has an ongoing program with the San Lorenzo Valley High School (Watershed Management Internship Program). The curriculum for this program ranges from watershed processes to fisheries conservation, drinking water source protection and drinking water production.
- 3) In 2006, the City Water Department produced and disseminated a brochure for private landowners upstream of the Tait St. intake on the San Lorenzo River. While not explicitly aimed at addressing erosion and sedimentation issues, this brochure was intended to inform upstream stakeholders about the need to protect riparian corridors and general proper functioning condition of the River
- 4) A turbidity monitoring meter was installed on the San Lorenzo River in 2004 and in Newell Creek in 2006. The City Water Department provides stakeholders, including the RWQCB, with monitoring results on an ongoing basis.
- 5) In 1999, the City initiated the San Lorenzo Urban River Project to develop a long-range plan for restoring the San Lorenzo River and developing a river parkway for residents of Santa Cruz. As part of this project, a management plan was developed entitled *Lower San Lorenzo River and Lagoon Management Plan*. This Plan was developed by Swanson Hydrology & Geomorphology and City staff, with funding provided by the State Coastal Conservancy and the City. The project area covered the lower 2.2 miles of the river, from Highway 1 to the mouth of the river at Monterey Bay.
- 6) In February 2006, the City adopted a *City-wide Creeks and Wetlands Management Plan* and Ordinance. This Plan includes the non-urban portions of the San Lorenzo River located north of the Highway 1 and Route 9 within city limits. The purpose of this plan is to identify and map the watercourses and known wetlands within the City limits, identify appropriate development setbacks, recommend management actions which promote the preservation of riparian and wetland resources, define development guidelines and standards for areas where development adjacent to watercourses may be appropriate, and provide a framework for permitting development adjacent to watercourses.

#### For Implementation Action (S):

The City of Santa Cruz has developed a SWMP, per the MS4 Storm Water Permit program and NPDES Phase II Storm Water Regulations. The second draft was submitted to the RWQCB in April 2004 as requested. RWQCB comments are pending.

## For Implementation Action (T):

The San Lorenzo River watershed was identified as a priority for site inspection and enforcement of control measures in SWMPs and SWPPPs in the City's 2<sup>nd</sup> SWMP draft submitted to RWQCB in April 2004.

In 2004, the City modified the discretionary (zoning) permit boiler plate conditions to include a condition that requires the applicant of a construction site equal to or greater than one acre, or less than one acre but part of a larger common plan of development or sale, to provide the City with proof of coverage under the state's Construction Activities Storm Water General Permit. Proof of coverage must include a copy of the letter of receipt and Waste Discharger Identification (WDID) number issued by the State Water Quality Control Board (SWQCB) that acknowledges the property owner's submittal of a complete Notice of Intent (NOI) package. The City's Building Division requests this proof of coverage prior to issuance of construction permits, such as grading and building permits, to sites equal to or greater than one acre in size.

Between 2004 and 2006, there were 3 construction projects within the San Lorenzo River watershed that were equal to or greater than 1 acre in size. Theses projects included the following sites: 1) Depot Park at 119 and 127 Washington Street; 2) 125 River Street; and 3) Salz Tannery at 1040 River Street. The Depot Park project was completed in 2005 and the latter two are still in progress. There have been no violations or enforcement actions taken to date for these sites.

In addition, there currently is another such project within the City limits but not within City jurisdiction: Metro Transit District Corporate Office Headquarters and Fueling and Maintenance Facility at Encinal and River Streets.

#### For Implementation Action (U):

The City of Santa Cruz will consider incorporation of sediment control programs/projects into the City's SWMP. As mentioned above in (S), the City's second draft SWMP was submitted in April 2004 and RWQCB comments are pending.

3) Present results of information collected and analyzed, if any, during the reporting period, including any information or monitoring data (e.g. water quality data, results of the effectiveness of specific erosion-control projects, such as information provided as part of the Project Assessment & Evaluation Plan requirement of grants or contracts) used to assess the success of the program at reducing erosion and sedimentation

The City maintains continuous turbidity monitoring stations at the head of Loch Lomond and on the mainstem San Lorenzo River. A turbidity monitoring meter was installed on the San Lorenzo River in 2004 and in Newell Creek in 2006. The City Water Department provides stakeholders, including the RWQCB, with monitoring results on an ongoing basis. Over the course of the TMDL, this data will be invaluable in discerning trends in persistent turbidity as they affect the MUN and other beneficial uses currently being addressed by the Sediment TMDL. Over time, this data may allow policy makers to develop a better understanding of the effects of sedimentation (and associated turbidity) on beneficial uses and provide important feedback on efficacy of implementation actions.

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4) Identify ways to overcome obstacles, if any, to implementing the action

5) Summarize the implementation activities you plan to undertake during the next 3-year reporting cycle (include interim milestones, or measurable goals/indications). Include any anticipated changes to the established time schedule and justification, along with a revised time schedule, including interim milestones, or measurable goals/indications. If you propose a modification to the Trackable Implementation Action included in the approved TMDL, provide justification and time schedule for consideration.

The City plans to continue implementing the tasks listed as "In place and Ongoing" in the table above. The City also anticipates receiving MS4 Storm Water permit coverage from the RWQCB within the next 3-year reporting period and will continue implementation of the Storm Water Management Plan.

#### D. Other

1) Identify the locations, if any, of persistent erosion or sedimentation problems, and the relative degree of severity of problems

The City is unaware of any significant persistent erosion or sedimentation problems within City limits that drain directly to the San Lorenzo River.

2) Provide additional information, if any, to demonstrate progress towards TMDL compliance and protection of beneficial uses from sediment discharges

A variety of City staff, from the Public Works, Planning/Building, and Parks and Recreation Departments, received training during this reporting period, on Construction Best Management Practices (BMPs) for Storm Water Pollution Prevention. These training classes covered BMPs for erosion and sediment control during construction projects.