

Attachment 4-2



Santa Clara Valley
Urban Runoff
Pollution Prevention Program

*MONITORING
PROJECT SUMMARY*

Implement Trash Work Plan

Purpose: Begin implementing Trash Work Plan.

Background: This project is identified in Tasks 1 - 4 of the Program's Trash Work Plan. The Work Plan was prepared to fulfill a Program FY 01-02 Continuous Improvement item and actions within the Program's Multi-Year Receiving Waters Monitoring Plan. The Work Plan was developed in response to the November 14, 2001 San Francisco Bay Regional Water Quality Control Board (RWQCB) 303(d) Staff Report that proposed all urban creeks, lakes and shorelines be placed on a preliminary or "monitoring" list due to the threat of trash impairment to water quality. The State Water Resources Control Board adopted this recommendation in the final version of the 2002 Clean Water Act 303 (d) list.

The RWQCB Staff Report states that between now and the next 303(d) listing cycle, municipalities will be expected to assess trash impairments in their jurisdictions, as documented by stormwater agencies in annual reports to the Regional Board. The report recommends that the approach mirror the standard TMDL approach of defining the problem, identifying the sources through monitoring or existing information and developing a program of action to address the principle sources. Regional Board staff has indicated that it will review this specific information in the next listing cycle; determine whether specific water bodies warrant a 303(d) listing for trash and note the existence of relatively clean urban streams.

In a proactive response to the 303(d) Staff Report, the Program developed a Work Plan to identify a strategy for addressing trash problem areas that occur in urban streams and waterways. The Work Plan includes the following objectives: 1) Document existing trash management practices implemented by municipalities and agencies within the Program's jurisdiction; 2) Develop a strategy to conduct trash evaluations in creeks; 3) Assist municipalities to identify high priority trash problem areas and sources of trash; 4) Provide guidance on the implementation of potential control measures and evaluation criteria needed to address problem areas; and 5) Develop a standardized reporting format for documenting and evaluating trash management and monitoring activities.

The tasks identified in the Work Plan will be completed over the next 2 years. The FY 03-04 tasks focus on developing guidance and tools to evaluate trash problem areas, implement management practices and document, report and evaluate the results of assessments and implementation actions. The FY 04-05 tasks focus on the development of a monitoring strategy and implementation of trash evaluations and management practices.

Scope Summary:

- Inventory and document existing and planned trash management practices and known trash problem areas found in urban streams within the Program's jurisdiction;
- Develop guidance document that identifies and evaluates trash management practices and monitoring efforts being implemented worldwide;
- Modify RWQCB trash assessment methodology and conduct trash assessment training workshop; and
- Develop and implement standard documentation and reporting format

Products: Summary Report (Existing Management Practices) and Maps (Known Trash Problem Areas); Technical Memorandum (Management Practices and Monitoring Literature Review); Modified RWQCB Rapid Trash Assessment Methodology; Trash Assessment Training Workshop; and Standard Reporting format and database.

Schedule: July 2003 – June 2004

Program Staff: John Fusco and Paul Randall



Santa Clara Valley
Urban Runoff
Pollution Prevention Program

MONITORING PROJECT SUMMARY

*Sediment Assessment: Conduct
Limiting Factor Analysis and
Management Practice Assessment
in Stevens Creek*

Purpose: To determine if Stevens Creek is being impaired by sediment production from erosion due to anthropogenic activities by conducting a limiting factors analysis and sediment management practice assessment.

Background: In fulfillment of the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP) NPDES Permit Order No. 01-024 Provision C.9.f.iii paragraph two, the SCVURPPP submitted a sediment assessment work plan to RWQCB staff on August 30, 2002. The sediment assessment in Stevens Creek project was identified as Tasks 1 –3 of the SCVURPPP Work Plan “Conduct Watershed Analysis and Sediment Management Practice Assessment in Other Creeks Potentially Impaired by Sediment from Anthropogenic Activities”. The Stevens Creek sediment assessment work plan identifies an approach to conduct watershed analyses and management practice assessments for portions of the Stevens and Coyote Creek watersheds within the next four years. These creeks were identified as high priority creeks in the SCVURPPP report “Identification of Creeks Potentially Impaired by Sediment from Anthropogenic Activities”, which was submitted to the Regional Board in fulfillment of SCVURPPP NPDES Permit Provision C.9.f.iii paragraph one.

The sediment assessment work plan contains two separate phases. Phase I is scheduled for FY 03-04 and includes conducting a limiting factors analysis and sediment management practices assessment. Phase II includes conducting a rapid sediment budget and is scheduled for the subsequent year. Phase II will only be conducted if Phase I study results indicate that excessive sediment from anthropogenic sources is impairing beneficial uses in the watershed. The Watershed Analysis AHTG will review products developed in Phase I and make recommendations for Phase II or other future studies, as well as potential management actions. Watershed Analysis AHTG recommendations will be reviewed and approved by the Management Committee.

Scope Summary:

1. Conduct limiting factors analysis on Stevens Creek. Task include:
 - Compile and review existing watershed and biological data and information
 - Identify target species for limiting factors analysis
 - Identify and assess potential limiting factors and develop initial hypotheses
 - Conduct focused studies
 - Data analysis
2. Inventory, document and evaluate effectiveness of existing sediment management practices
3. Plan, organize and facilitate meetings with consultants and Watershed Analysis AHTG members.
4. Assist the AHTG to identify potential studies and management practices to be implemented in the future (approval by Management Committee)

Products: Technical Report (Limiting Factors Analysis); Summary Report (Sediment Management Assessment); Technical Memorandum (Implementation Recommendations)

Schedule: July 2003 – June 2004

Program Staff: Chris Sommers and Paul Randall



*MONITORING
PROJECT SUMMARY
PCBs Activities*

Purpose: Assist the SCVURPPP in complying with Permit Provision C.9.e (PCB requirements) of the Program's NPDES permit.

Background: San Francisco Bay is listed as impaired by PCBs in the 2002 303(d) list. Permit Provision C.9.e of the Program's NPDES permit requires the SCVURPPP to develop a control program for PCBs. During the past three years, the SCVURPPP has provided leadership to Bay area stormwater programs in addressing PCBs. This has included coordinating efforts to characterize the distribution of PCBs concentrations in Bay area watersheds. The SCVURPPP has also performed PCBs case studies in selected areas with elevated concentrations of PCBs and coordinated similar efforts by other Bay area stormwater agencies. The case studies are aimed at identifying PCBs sources and developing controls. As part of these efforts, the SCVURPPP has led a work group of representatives from the BASMAA Monitoring Committee and Regional Board staff. The work group has met periodically to facilitate information sharing, coordination of field activities and regional planning. The SCVURPPP's overall goal has been to work with other stakeholders to develop data needed for the San Francisco Bay PCBs TMDL. The SCVURPPP continues to perform activities in support of the PCBs TMDL. Currently, the SCVURPPP is performing PCBs case studies in two new areas known to have elevated PCBs in embedded storm drain sediments and follow-up work in a third area (Leo Avenue in San Jose), coordinating similar case studies by other Bay area storm water programs, and performing a feasibility study on PCBs stormwater control measures.

Scope Summary: During FY 03-04, the SCVURPPP will continue to perform activities in support of the PCBs TMDL.¹ Program staff will:

- Perform follow-up work emphasizing continuing the process of identifying and addressing controllable sources of PCBs in urban runoff, if any. This work will be scoped after the results of the FY 02-03 case study work and stormwater control measures feasibility study become available, and may be performed in collaboration with other Bay area stormwater agencies.
- Continue to attend PCBs TMDL-related stakeholder, CEP, RMP and work group meetings and represent BASMAA on the CEP PCBs work group. As appropriate, review and comment on related documents prepared by the CEP, RMP and Regional Board staff.

Products: To Be Determined

Schedule: July 2003 – June 2004

Program Staff: Jon Konnan and Adam Olivieri

¹ The SCVURPPP is also testing bedded sediment samples from the bottom of the Lower Silver and Lower Penitencia Creek watersheds for PCBs and other pollutants of concern during its FY 02-03 surface water monitoring program. Similar sediment samples from the bottom of Adobe and San Thomas Aquino Creek watersheds will be tested for PCBs and other pollutants of concern during FY 03-04.



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MONITORING PROJECT SUMMARY

*Dioxins, PAHs and Chlorinated
Pesticides Activities*

Purpose: Assist the SCVURPPP in addressing Regional Board requirements related to dioxins, PAHs and chlorinated pesticides.

Background: Dioxins and chlorinated pesticides are on the 2002 303(d) list for San Francisco Bay, though there is some controversy regarding these listings. PAHs are currently on the 2002 Monitoring List for the Bay. Regional Board staff believes that urban runoff discharges may be a contributing factor and are requiring assistance from stormwater programs to address these pollutants of concern. The SCVURPPP previously participated in a regional study that tested embedded storm drain sediment samples for chlorinated pesticides (and mercury and PCBs). The SCVURPPP has also reviewed data on concentrations of dioxins in stormwater runoff and surface waters found in the Bay area and other areas, and are currently collaborating with other stormwater agencies to prepare a “synthesis” document on dioxins. The synthesis document will summarize the current state of knowledge regarding dioxin-like compounds in relation to stormwater runoff, and will include a discussion of the controversy surrounding the potential threats to the environment and human health in the Bay area by dioxins.

Scope Summary: During FY 03-04, program staff will perform the following activities related to these pollutants:¹

- Work with the BASMAA Monitoring Committee to establish BASMAA’s strategy for addressing these pollutants of concern and present this information to the CEP Technical Committee.
- Attend relevant stakeholder, CEP, RMP and work group meetings. As appropriate, review and comment on any related documents prepared by the CEP, RMP and Regional Board staff.

Products: To be determined.

Schedule: July 2003 – June 2004.

Program Staff: Jon Konnan and Adam Olivieri.

¹ The SCVURPPP is also testing bedded sediment samples from the bottom of the Lower Silver and Lower Penitencia Creek watersheds for PAHs, chlorinated pesticides and other pollutants of concern during its FY 02/03 surface water monitoring program. Similar sediment samples from the bottom of Adobe and San Thomas Aquino Creek watersheds will be tested for PAHs, chlorinated pesticides and other pollutants of concern during FY 03-04.