

Appendix H1 Types of Policies to Be Developed with SMMP Implementation

This appendix represents initial thoughts related to implementation. There is more work to be done in this area, and Zone 7 is embarking on development of an implementation plan beginning in late summer 2006. As part of this process, Zone 7 will collaborate with other agencies to establish priorities and funding approaches for the SMMP projects.

Table 1 provides a summary of the types of policies that may need to be developed to ensure proper implementation of the SMMP. It is important to note that this appendix does not provide final policy language but rather an initial list of policies that will need to be adopted prior to, or in conjunction with, project implementation. It is recommended that each agency define its appropriate policies for development and adoption subsequent to the project phasing process. Where appropriate, inter-agency coordination is recommended to ensure consistency in governance of the Valley streams and arroyos

Table 1: Summary of Types of Policies to be Developed with SMMP Implementation

Policy	Agency Involved	Example Considerations
Flood control		
Design Storm	Zone 7	- Define consistent design storm criteria for Zone 7 watersheds. Zone 7 has currently a different design storm event for drainage areas smaller and larger than 10 square miles. - Coordinate Zone 7 and other government agencies' design storm criteria within Zone 7's service area.
Floodplain Management	Zone 7; Cities; County	Develop a Floodplain Management Program which encourages use of floodplain management techniques for Zone 7 and other government agencies in county. Floodplain management techniques include adoption of floodplain zoning ordinances; flood preparedness plans; planning of road system; and meeting of applicable requirements of Flood Insurance Studies administered by FEMA.
Multi-Agency Cooperation	Zone 7; Cities; County	Put mechanism in place to: - Facilitate development and implementation of agreements between Zone 7 and multiple government agencies. - Inform the cities and county of the effects of new development on flooding. Zone 7 may urge that developments comply with FEMA requirements, and require that impacts of upstream developments be mitigated through on-site detention storage.
Multi-Use Facilities	Zone 7; Cities; County	Facilitate use of flood control facilities and floodplain for other purposes (i.e. recreation and habitat) as long as those purposes do not impact flows and water quality in the waterways or interfere with Zone 7's maintenance of the area.

Support Natural Ecosystem Functions	Zone 7; Cities; County	Develop flood control strategies that support and minimize impacts to natural ecosystem functions (e.g. avoid enclosed channels; construct fish passable drop structures, etc.).
Property	Zone 7; Cities; County	- Establish criteria and procedures to facilitate ROW acquisition of streams by Zone 7. - Establish criteria and procedure for property acquisition for flood control purpose. - Establish criteria and procedure for property acquisition for mitigation purpose. - Limit Zone 7 owned property availability to any party for use for the purposes of mitigation unless there is a benefit to Zone 7. - Impose stream setback requirements within Zone 7's service area on remaining undeveloped land along streams.
Safety and Security	Zone 7; Cities; County	- Provide fencing around facilities or on property only where safety and security can be significantly enhanced or to control unauthorized vehicular use. Fencing on natural creeks is generally unnecessary unless it is used as a barrier along clearly hazardous conditions. - Provide signage where safety and security can be enhanced in areas where hazardous conditions exist. - Provide back-up power for public use facilities where safety and security can be enhanced. - Coordinate with local mosquito abatement district to protect local residents from mosquito proliferation.
Erosion and Sedimentation		
Management of Erosion and Sedimentation	Zone 7; Cities; County	Implement BMPs that minimize erosion during construction activities.
Support Natural Ecosystem Functions	Zone 7; Cities; County	Develop erosion and sedimentation strategies that support and minimize impacts to natural ecosystem functions.
Long-term Mitigation	Zone 7; Cities; County	Develop long-term mitigation program for sediment management, bank maintenance and herbicide application activities. Long-term program could include contributing to a local or regional mitigation bank program. Public and private project with unavoidable impacts would purchase credits from mitigation banks.
Maintenance	Zone 7	Develop stream maintenance program, including guidelines for erosion and sedimentation, for use by Zone 7 and others within Zone 7's service area.
Water Supply		
Compatibility of SMMP implementation and maintenance activities with water supply goals and programs	Zone 7	Develop procedure to coordinate input and review of SMMP projects implementation by Zone 7 Water Supply division.
Stream Flow and Fisheries	Zone 7; Cities; County	Develop requirements for water supply and flows requirements for fisheries into water supply strategies.

Water Quality		
Compatibility with water quality goals and programs	Zone 7	Develop procedure to coordinate input and review of SMMP projects implementation by Zone 7 Water Supply division.
Non-Point Source	Zone 7; Cities; County	Incorporate management measures, when applicable, to limit non-point source pollution resulting from stream erosion and sedimentation, channel modification, development, and agriculture.
Impaired Water Bodies	Zone 7; Cities; County	Incorporate procedures and requirements to avoid further degradation of the water quality of quality limited segment in Zone 7's service area.
Compatibility with Aquatic Habitat	Zone 7; Cities; County	- Incorporate water quality requirements for fisheries into water quality strategies. - Develop procedures to minimize impacts from construction and/or maintenance activities in the streams to fisheries.
Habitat and Environment		
Sustain Native Habitats	Zone 7; Cities; County	Plan and design projects that preserve and integrate existing habitat into the project features, to the extent possible.
Stream Buffers and Riparian Areas	Zone 7; Cities; County	- Establish stream setback requirements within Zone 7's service area on remaining undeveloped land. - Establish design criteria that incorporates the creek into the development features and prohibit design of developments that back up the creek.
Wetlands	Zone 7; Cities; County	Protect wetland to the extent possible. When impacts to wetland are unavoidable, consider mitigation in the same area or neighborhood.

Trails, Recreation, and Education		
Community Involvement/Public Education	Cities; County; EBRPD; LARPD	- Encourage use of regional streamside trails for alternate transportation alternatives. - Encourage agreements with local groups about stream clean-up, bicycle, pedestrian uses of streams and other educational programs.
Trail Implementation: Connectivity and Transportation Corridors	Zone 7; Cities; County; EBRPD; LARPD	- Develop interconnected local and regional trail network that is safe, accessible and convenient for different modes and users. - Provide connections from existing and future transit facilities. - Provide connectivity between on-street bikeways and multi-use trails maintained by different agencies. - Facilitate use of maintenance roads along streams as multi-use trails. - Build bridges so as not to preclude future development of trails and pathways.
Public Safety	Cities; County; EBRPD; LARPD	- Develop safety education program addressing pedestrian safety for adults and children. - Maintain all trails and maintenance roads open as trails for safe a comfortable use. - Provide safe and efficient off-street and on-street crossings.
Joint Use	Zone 7; Cities; County; EBRPD; LARPD	- Put mechanism in place to: - Facilitate development and implementation of agreements between Zone 7 and multiple government agencies. - Coordinate implementation of proposed trails with other agencies to avoid duplicative efforts.
Stream Maintenance		
Programmatic Level Policies	Zone 7	Develop stream maintenance program for use by Zone 7 and other within Zone 7's service area.
BMPs	Zone 7	- Develop and adopt BMPs for maintenance activities including sediment removal, vegetation management, bank protection, minor work and general activities. - Review and update BMPs annually.
Fisheries Protection	Zone 7	Incorporate guidelines and BMPs for fisheries protection into stream maintenance program.
Vegetation	Zone 7	Develop guidelines for vegetation mitigation resulting from maintenance and construction impacts.
Herbicides	Zone 7	Develop herbicides use guidelines for use by Zone 7 and other within Zone 7's service area.
Timing	Zone 7	Include timing of maintenance and construction work into stream maintenance.
Chain of Lakes Maintenance Policies	Zone 7	Develop Chain of Lakes maintenance program for use by Zone 7.
Non-Zone 7 sponsored channel cleaning	Zone 7; any other party	Cooperate with and assist local groups that desire to support Zone 7's stream cleaning. Such clean-up activities requiring a permit from Zone 7.