Executive Summary

The City of Calabasas' Environmental Services Division completed the "Las Virgenes, McCoy, and Dry Canyon Creeks Master Plan, Phase I: Comprehensive Study" (Phase I Study) in September of 2003. Chapter 3.0 Plans and Policies of the Phase I Study discusses the high priority that the City of Calabasas places on environmental stewardship as outlined in the City's General Plan, and outlines five different environmental protection related documents including the "Draft Watershed Management Area Plan for the Malibu Creek Watershed" (January 2001), the "Los Angeles River Master Plan" (June 1996), "Santa Monica Mountains North Area Plan" (October 2000), "Las Virgenes Gateway Master Plan" (December 1998), and the "Las Virgenes Corridor Design Plan" (January 1998). Although not outlined in the text of the Phase I Study document, the graduate study completed by Bradley Owens "A Protection and Revitalization Plan for Las Virgenes Creek" (January 2001) was also used as a resource for completing the Phase I Study.

The overall objectives of the Phase I Study were to: establish baseline environmental conditions; evaluate historical changes in the watershed; define opportunities and constraints for improving water quality (related both to Total Maximum Daily Loads (TMDLs) and aquatic habitat); assess opportunities and constraints to restore creek and riparian habitat; and identify recreational and educational facilities and opportunities. The Phase I Study accomplished these goals and provided a wealth of information about these three creeks that run through the City. The discussions of opportunities for improving water quality related to TMDLs generally coincide with watershed management programs and goals that are already implemented or works in progress at this time. The Phase I Study also provided a list of identified projects for aquatic and riparian habitat enhancement and restoration for each of the three creeks. There are 90 identified creek enhancement projects listed as call outs in aerial view Figures 4.1, 4.2 and 4.3 of the Phase I Study. Although the study identifies and locates these potential projects, it does not provide any form of prioritization, cost estimates, or technical feasibility information related to the projects listed.

On September 7, 2005, the City Council authorized the Public Works Director to contract a consultant to complete the next step toward implementing the identified projects in the Phase I Study and provide an investigation as to the cost and feasibility of implementing the listed projects. This Phase II study provides budget level cost figures for conducting necessary feasibility studies, engineering design, and construction of the identified projects from the Phase I Study. The projects listed in Figures 4.1, 4.2 and 4.3 of the Phase I Study have been

indexed in Figures A, B, and C of this study. The projects were field reviewed, grouped into construction projects and tabulated in Tables 1A, 1B and 1C.

The results of this study will be used to support the City in seeking funding opportunities to design and implement projects from the prioritized list of construction projects.

An overview of the study results is as follows:

Creek	Combined Construction Projects	Total Estimated Design and Construction Cost	Total Projected O&M Costs
Las Virgenes Creek	20	$10,430,000	$800,000
Dry Canyon Creek	9	$800,000	$325,000
McCoy Creek	8	$1,300,000	$275,000
TOTALS	**37**	**$12,530,000**	**$1,400,000**

The combined cost of all design, construction and O & M for all three creeks is estimated at **$13.9 Million**. All cost calculations are based on year 2005 prices and are subject to inflation over time. Appropriate inflation factors should be applied to future funding applications that adjust for time passed.

It is recommended that an additional priority be placed on projects at the headwater reaches of each of the three creeks. Beneficial changes to the upstream reaches will positively impact scope and longevity of the downstream projects.