

Technical Analysis

As administrator for the OWOW plan, numerous sources of technical information and data sets were collected in order to develop the water management needs of the Plan. Shown below is a table most of the key technical studies that were collected, reviewed and applied by SAWPA and the Pillars to evaluate the current conditions, the historic data and projections for the future. These studies are often the product of multi-agency task forces that were administered by SAWPA and reflect the key technical components for the planning process.

Technical analysis and feasibility analysis is also performed on a project level basis as well for the projects submitted as part of the OWOW prioritization list of implementation projects. As part of the Call for Projects, data is acquired for each project that provide technical project details such as project location, metrics for benefits such as acre-feet of water recharged or stored, number of acres of habitat restored, volume of stormwater captured or treated, amount of greenhouse gas emissions, and project readiness. Thereafter, priority projects are screened by an independent review panel to assure that the project is technically feasible and meets the project proponent's claims on the project information form. Thereafter, for those projects that are selected for funding, an even more detailed technical evaluation and economic analysis is required and will be submitted to SAWPA for review. Depending on the funding program such as the DWR Proposition 84 IRWM program, the projects submitted will be required to then complete detailed evaluation forms as part of the grant application that assure technical and economic feasibility before implementation.

	Title	Author	Date
Climate Change Impacts	Santa Ana Watershed Project Authority, Integrated Water Management Plan	SAWPA	2009
	Presenting Uncertainty About Climate Change to Water Resource Managers, A Summary of Workshops with the Inland Empire Utilities Agency	Rand Corporation	2008
	Presentation of Uncertainty About Climate Change Modeling to SAWPA Area	Rand Corporation	2008
Water Quality Changes in Groundwater Basins and Surface Water	Santa Ana River Wasteload Allocation Model Report	Wildermuth Environmental, Inc.	2009
	Recomputation of Ambient Water Quality in the Santa Ana Watershed for the Period 1987 to 2006, Final Technical Memorandum	Wildermuth Environmental, Inc.	2008
Water Supply and Water Quality	Chino Basin Recharge Master Plan Update	Wildermuth Environmental, Inc.	2010
	Salinity Management Study, Technical Memorandum 1-3	CDM	2010
	Middle Santa Ana River Watershed Bacterial Indicator TMDL Triennial Report	CDM	2010
	Santa Ana Watershed Salinity Management Program, Phase 1-2	CDM, Corollo and Wildermuth Environmental, Inc.	2010
	Upper Santa Ana Watershed Integrated Regional Water Management Plan	GEI Consultants, Inc.	2009
	Phase I and II Reports of the Emerging Constituents Workgroup	Risk Sciences	2009
	Santa Ana Watershed "One Water One Watershed", Integrated Regional Water Management Plan	SAWPA	2009
	California Regional Water Quality Control Board, Water Quality Control Plan for the Santa Ana River Basin (Region 8)		2008
	Santa Ana Integrated Watershed Plan		2005
	Stormwater Quality Standards Study, Phase I Study Report	CDM	2005
Santa Ana Integrated Watershed Plan, Volume 1-3		2002	
Optimum Basin Management Program for the Chino Basin	Wildermuth Environmental, Inc.	1999	