

Summary of Relevant Studies Identified During Literature Review

Study	Year	Institution	Model (notes/application)	Supply/Demand			Stormwater Runoff					Water Reclamation Plant Discharge/Recycling		Ground-water	River Channel		River Tidal Portion	
				Conservation	As-Is	Projections	Centralized Capture	Distributed Capture	Water Quality	As-Is	Projections	As-Is	Projections	As-Is	Hydraulics	Ecology	Hydraulics	Ecology
Water Resources Action Plan	2009	POLA, POLB	WRAP Model (limited application here)						x	x							x	
LA Basin Study - Task 3.2	2013	LACFCD	WMMS (w/ climate change, distributed LID)				x	x		x	x							
LA Basin Study - Task 2	2014	LACFCD	Refers to LACFCD WMMS modeling - see Task 3.2	x	x	x	x	x	x	x	x	x	x					
LAR Restoration Study	2015	USACE	1-D HECRAS												x	x		
Upper LAR EWMP	2015	ULAR EWMP Group	WMMS (w/ distributed LID for Water Quality)						x	x	x							
Stormwater Capture Master Plan	2015	LADWP	LSPC + GWAM (centralized and decentralized BMPs based on EWMP)		x		x	x	x	x	x							
Urban Water Management Plan	2015	LADWP	Refers to SCMP's LSPC+GWAM - see SCMP	x	x	x	x	x	x	x	x	x	x	x				
LA Sustainable Water: LAR Watershed	2017	LASAN, UCLA, CSM	SWMM (w/ SUSTAIN and distributed LID for Water Quality)					x	x	x	x	x						
Burbank Wastewater Change Petition	2017	Burbank	USACE 1-D HEC-RAS (Barham Boulevard and First Street, modeled low flows)									x	x		x	x		
WRAP Model Development	2017	POLA, POLB	WRAP Model						x	x							x	x
Glendale Wastewater Change Petition	2018	Glendale	USACE 1-D HEC-RAS (Burbank reach + Rio Hondo confluence to the estuary)									x	x		x	x		
One Water Plan: Volume 2: Wastewater	2018	LASAN, LADWP	Water balance modeling		x	x						x	x					
One Water Plan: Volume 3: Stormwater	2018	LASAN, LADWP	Used LSPC+GWAM from SCMP		x		x	x	x	x	x							
One Water Plan: Volume 4: LAR Flow Study	2018	LASAN, LADWP	Low-flow balance for each river mile; HEC-RAS at 3 reaches							x	x	x	x	x	x	x		
Stormwater Capture and Recharge	TBD	UCLA, USGS, CSM	SWMM (w/ MODFLOW and capture)				x	x		x	x			x				

Bold = Colorado School of Mines Study