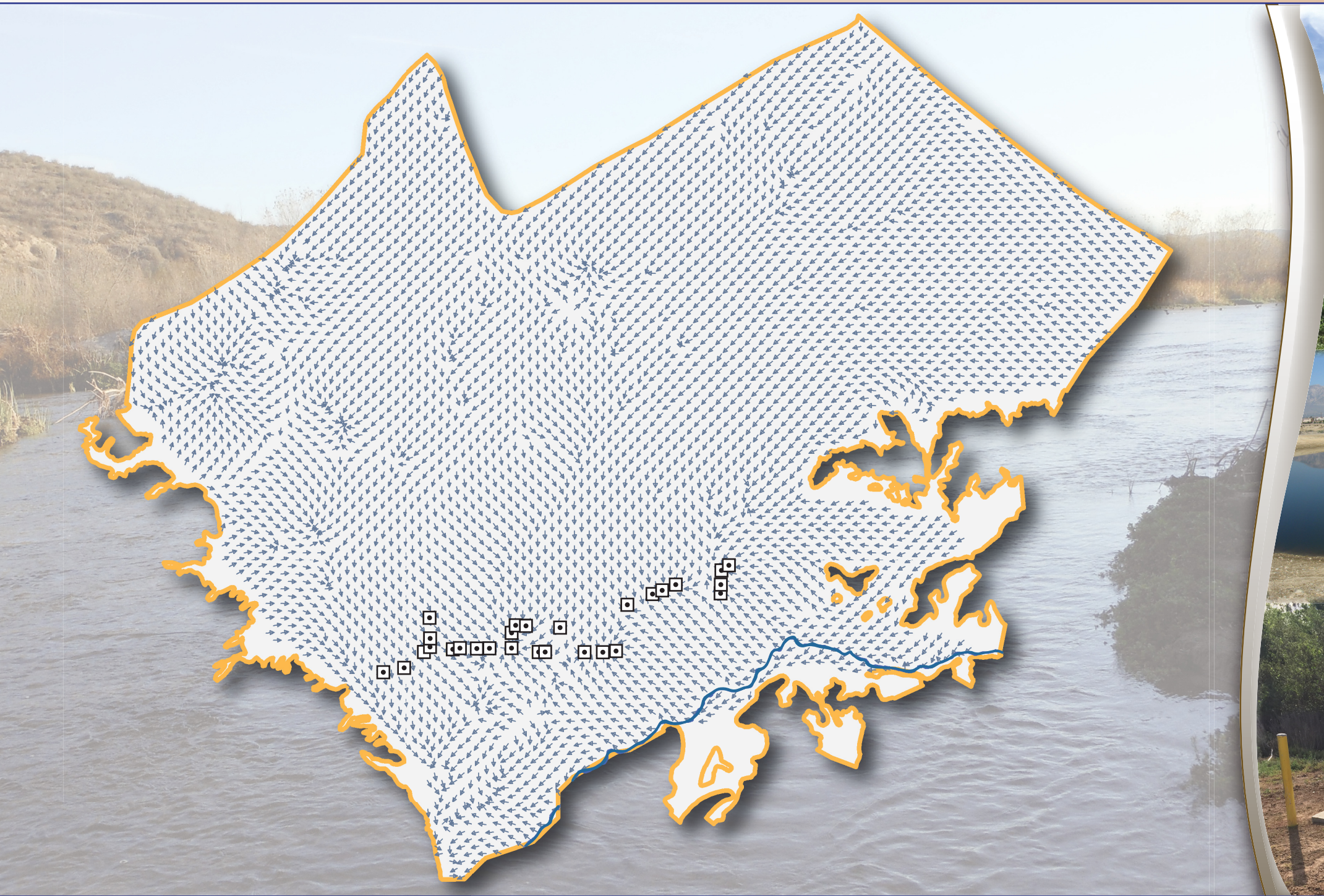


Chino Basin Optimum Basin Management Program 2014 State of the Basin Report



2014 State of the Basin Report

June 2015

Prepared for:



Prepared by:



Front cover left imagery: Map of the Chino Basin hydrologic boundary, Santa Ana River, Chino Basin Desalter wells, and model-projected groundwater-flow direction for 2015 Scenario 5A4. The background photo is the Santa Ana River near the USGS gaging station at MWD Crossing and the Riverside Narrows. Front cover right photo collage - clockwise from upper left: drilling of Prado Basin Habitat Sustainability Program monitoring well PB-9; Ely Basin 3 recharge facility; San Sevaine Basin 5 recharge facility; Chino-I Desalter treatment facility; Prado Basin Habitat Sustainability Program monitoring wells PB-7/1 and PB-7/2; and Turner Basin 1 recharge facility.

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Acronyms, Abbreviations, and Initialisms

µg/L	micrograms per liter
1,1-DCE	1,1-dichloroethene
1,2,3-TCP	1,2,3-trichloropropane
1,2-DCA	1,2-dichloroethane
acre-ft	acre-feet
acre-ft/yr	acre-feet per year
AWQ	ambient water quality
Basin Plan	Water Quality Control Plan for the Santa Ana River Basin
BM	bench mark
CAO	Cleanup and Abatement Order
CBWM ID	Chino Basin Watermaster Well Identification
CCWF	Chino Creek Well Field
CDA	Chino Basin Desalter Authority
CDFM	cumulative departure from mean
CDPH	California Department of Public Health
CIM	California Institution for Men
<i>cis</i> -1,2-DCE	<i>cis</i> -1,2-dichloroethene
CVWD	Cucamonga Valley Water District
DDW	California State Board Division of Drinking Water
DLR	detection limit for reporting
DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
EPA	US Environmental Protection Agency
ft	feet
ft-bgs	feet below ground surface
ft-brp	feet below reference point (<i>e.g.</i> static surveyed measurement point)
FY	fiscal year
GE	General Electric
GIS	Geographic Information System
HCMP	Hydraulic Control Monitoring Program
IEUA	Inland Empire Utilities Agency

Acronyms, Abbreviations, and Initialisms

InSAR	Synthetic Aperture Radar Interferometry
JCSD	Jurupa Community Services District
KM	kilometer
MCL	maximum contaminant level
mg/L	milligrams per liter
MSL	Milliken Sanitary Landfill
MVWD	Monte Vista Water District
MWDSC	Metropolitan Water District of Southern California
MZ	Management Zone
NO ₃ - N	nitrate expressed as nitrogen
ND	non-detect
OBMP	Optimum Basin Management Program
OIA	Ontario International Airport
PBMZ	Prado Basin Management Zone
PCE	tetrachloroethene
PRISM	Parameter-Elevation Regressions on Independent Slope Model
PRP	potentially responsible party
POTW	Publicly Owned Treatment Works
RP	Regional Plant
RWQCB	Regional Water Quality Control Board
SARWC	Santa Ana River Water Company
SBCFCD	San Bernardino County Flood Control District
SOB	State of the Basin
SWP	State Water Project
TCE	trichloroethene
TDS	total dissolved solids
USGS	US Geological Survey
VOC	volatile organic compound
Watermaster	Chino Basin Watermaster
WEI	Wildermuth Environmental, Inc.
XRef	anonymous well reference ID

