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## Acronyms and Abbreviations

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<b>Acronym</b>	<b>Definition</b>
°F	degrees Fahrenheit
AF	acre-feet
afy	acre-feet per year
Alliance	Upper Santa Ana River Sustainable Resource Alliance
AMMs	avoidance and minimization measures
AMs	avoidance measures
APNs	Assessor Parcel Numbers
AVM	acoustic velocity meter
BIOS	Biogeographic Information and Observation System
BLS	Bureau of Labor Statistics
BMPs	Best Management Practices
CAL FIRE	California Department of Forestry and Fire Protection
Cal-IPC	California Invasive Plant Council
CAMMP	Comprehensive Adaptive Management and Monitoring Program
CBWCD	Chino Basin Water Conservation District
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
COI	Certificate of Inclusion
Consortium	Louis Rubidoux Nature Center Consortium
CPAD	California Protected Areas Database
CWA	Clean Water Act
DPS	Distinct Population Segment
East Valley	East Valley Water District
eDNA	Environmental DNA
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act

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<b>Acronym</b>	<b>Definition</b>
ESA	Environmentally Sensitive Area
FEIR	Final Environmental Impact Report
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FESA	Federal Endangered Species Act
FR	Federal Register
GDE	a groundwater-dependent ecosystem
Geoscience	Geoscience Support Services, Inc.
GHG	greenhouse gas
GIS	geographic information system
GSAs	Groundwater Sustainability Agencies
HCP	Habitat Conservation Plan
HCP Handbook	2016 Habitat Conservation Planning Handbook
HdV	Huerta del Valle
HMMP	Habitat Management and Monitoring Plan
HSPF	Hydrologic Simulation Program Fortran
HTAC	Hydrology Technical Advisory Committee
I-	Interstate
ICCP	Implementation Compliance and Concurrence Procedure
IEMM	Institute for Ecological Monitoring and Management
IERCD	Inland Empire Resource Conservation District
IEUA	Inland Empire Utilities Agency
IFIM	Instream Flow Incremental Methodology
IFSAR	interferometric synthetic aperture radar
Integrated Model	Integrated Santa Ana River Model
IP	Individual Permit
ITP	Incidental Take Permit
JPA	Joint Powers Authority
JPA Governing Board	Permittee Agencies and will be governed by a board of directors
Lake Mathews MSHCP	Lake Mathews Multiple Species HCP
LiDAR	Light detection and ranging
LRNC	Louis Rubidoux Nature Center
LSAA	Lake and Streambed Alteration Agreement
MBTA	Migratory Bird Treaty Act of 1918

<b>Acronym</b>	<b>Definition</b>
MCV	Manual of California Vegetation
Metropolitan	Metropolitan Water District of Southern California
mgd	million gallons per day
MW	megawatts
NCCP	Natural Community Conservation Plan
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
NHPA	National Historic Preservation Act
NPDES	National Pollutant Discharge Elimination System
NPV	net present value
NRCS	National Resource Conservation Service
NWI	National Wetlands Inventory
O&M	operations and maintenance
OCWD	Orange County Water District
or Basin Plans	Regional Water Quality Plans
PBFs	physical and biological features
PCW	Prado Constructed Wetlands
PFA	Participation and Financing Agreement
PHABSIM	Physical Habitat Simulation System
PMSP	Prolonged Mate Searching Polygyny
Porter-Cologne	Porter-Cologne Water Quality Control Act
PUPs	Preserve Unit Plans
RAFSS	Riversidian alluvial fan sage scrub
RCHCA	Riverside County Habitat Conservation Agency
RCIS	Regional Conservation Investment Strategy
RCRCD	Riverside-Corona Resource Conservation District
Rialto	Rialto Utility Authority
RIX	Rapid Infiltration and Extraction
ROW	right-of-way
RPU	Riverside Public Utilities
RPU.5	Riverside North Aquifer Storage and Recovery Project
RWIPP	Right-of-Way and Infrastructure Protection Program
RWQCB	Regional Water Quality Control Board
RWQCP	Regional Water Quality Control Plant

<b>Acronym</b>	<b>Definition</b>
RWRPs	regional water recycling plants
SAR	Santa Ana River
SAR 3	Santa Ana River No. 3
SARCCUP	Santa Ana River Conservation and Conjunctive Use Program
SARMP	Santa Ana River Mainstem Project
SAS	anta Ana sucker
SAS	Santa Ana sucker
SBCFCD	San Bernardino County Flood Control District
SBKR	San Bernardino kangaroo rat
SCADA	supervisory control and data acquisition
SCE	Southern California Edison
SCS	Soil Conservation Service
SDMMP	San Diego Multi-Species Management Plan
SGMA	Sustainable Groundwater Management Act
SKR	Stephens' kangaroo rat
SKR HCP	Stephens' Kangaroo Rat Habitat Conservation Plan
SNRC	Sterling Natural Resource Center
SSC	CDFW Species of Special Concern
State Water Board	State Water Resources Control Board
SWAMP	Surface Water Ambient Monitoring Program
SWP	State Water Project
SWPPP	stormwater pollution prevention plan
SWRCB	State Water Resources Control Board
TDS	total dissolved solids
the Wildlife Agencies	USFWS and CDFW
TIN	total inorganic nitrogen
Tributary Restoration Projects	Santa Ana River and its tributaries
USACE	U.S. Army Corps of Engineers
USC	United States Code
USDA	U.S. Department of Agriculture
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey

<b>Acronym</b>	<b>Definition</b>
Valley District	San Bernardino Valley Municipal Water District
Wash Plan	Upper Santa Ana River Wash HCP
Water Department	San Bernardino Municipal Water Department
WDRs	Waste Discharge Requirements
WDRs	waste discharge requirements
West Valley	West Valley Water District
Western	Western Municipal Water District of Riverside County
WFF	Water Filtration Facility
Wildermuth	Wildermuth Environmental, Inc.
WLAM	Wasteload Allocation Model
WRC MSHCP	Western Riverside County Multiple Species HCP
WRCRWA	Western Riverside County Regional Wastewater Authority
WRDA	Water Resources Development Act
WSEs	water surface elevations
WWRF	Western Water Recycling Facility
WWTP	wastewater treatment plant