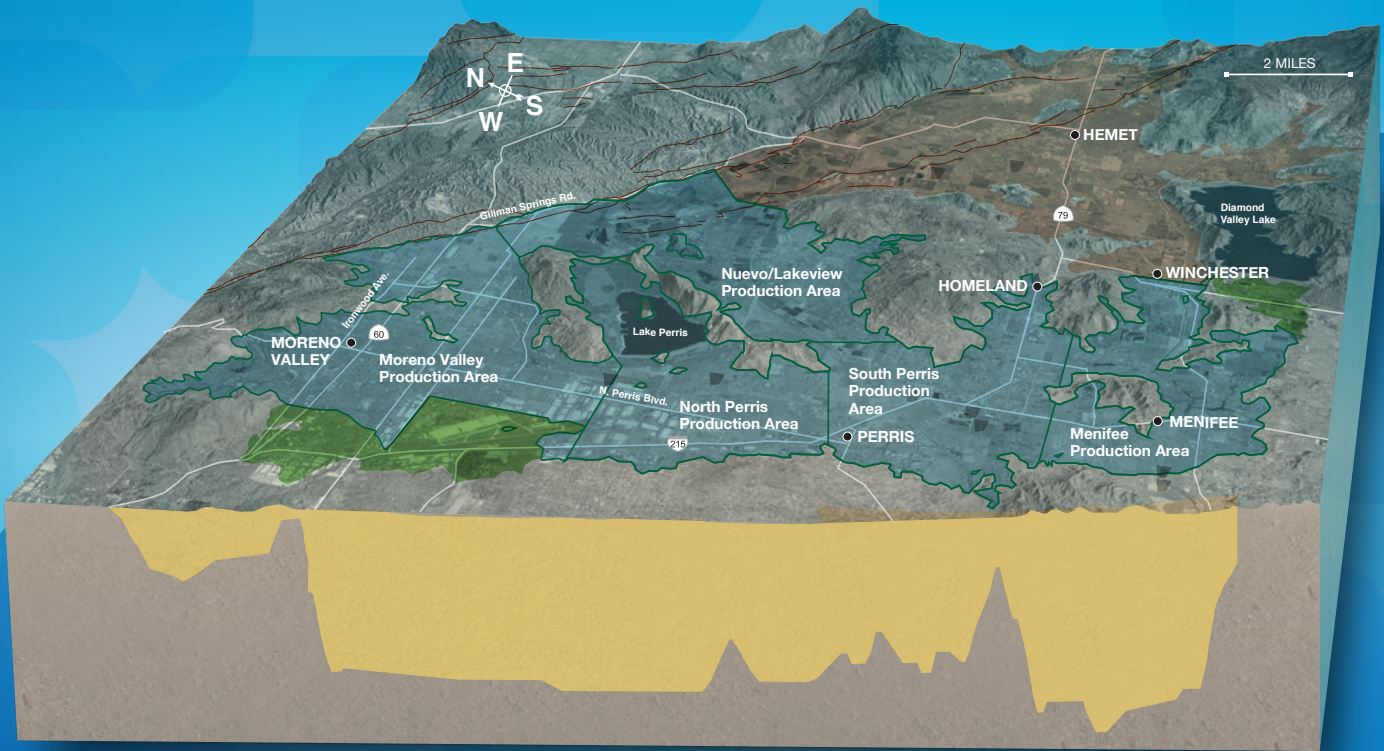




# Groundwater Sustainability Plan *for the* San Jacinto Groundwater Basin

September 2021



**DUDEK**

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# **Groundwater Sustainability Plan for the San Jacinto Groundwater Basin**

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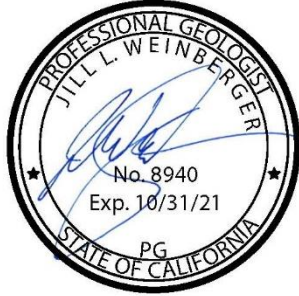
**SEPTEMBER 2021**



## SIGNATURE PAGE

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This Groundwater Sustainability Plan for the San Jacinto Groundwater Basin has been prepared under the direction of a professional geologist licensed in the State of California as required by the California Code of Regulations, Title 23 Section 354.12, consistent with professional standards of practice.



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Jill Weinberger  
P.G. No. 8940

**ACKNOWLEDGEMENTS**



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***Thank you to all the community members that participated in person and online in the stakeholder advisory committee meetings and provided comments on the draft version of the GSP. Your input was invaluable in the development of this plan.***

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## ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
°C	degrees Celsius
°F	degrees Fahrenheit
µm/sec	micrometers per second
AB	Assembly Bill
AF	acre-feet
AFY	acre-feet per year
amsl	above mean sea level
Basin Plan	Water Quality Control Plan for the Santa Ana River Basin
BGS	below ground surface
BMP	best management practice
BSMWC	Box Canyon Mutual Water Company
CASGEM	California Statewide Groundwater Elevation Monitoring
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CDP	Census Designated Place
CEQA	California Environmental Quality Act
CIMIS	California Irrigation Management Information System
COC	constituents of concern
County	County of Riverside
CRA	Colorado River Aqueduct
CWA	Clean Water Act
CWC	California Water Code
DAC	Disadvantaged Communities
DDW	Division of Drinking Water
DEH	Riverside County Department of Environmental Health
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EGETS	Expanded Groundwater Extraction and Treatment System
EMWD	Eastern Municipal Water District
EPA	Environmental Protection Agency
ET	evapotranspiration
FY	fiscal year
GAMA	Groundwater Ambient Monitoring and Assessment
GDE	groundwater dependent ecosystem
GETS	Groundwater Extraction and Treatment System
GIS	Geographic information systems
GMP	Groundwater management plan
GMZ	groundwater management zone
GPS	Global Positioning System
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan

**ACRONYMS AND ABBREVIATIONS**

<b>Acronym/Abbreviation</b>	<b>Definition</b>
IRRP	Intergrated Recharge and Recovery Program
IRWM	Integrated Regional Water Management
InSAR	Interferometric Synthetic Aperture Radar
JPA	Joint Powers Authority
LHMWD	Lake Hemet Municipal Water District
MARB	March Air Reserve Base
MCL	Maximum Contaminant Level
mg/L	milligrams per liter
M&I	municipal and industrial
MODFLOW	USGS Modular Finite-Difference Flow Model
MOU	memorandum of understanding
MP	measuring point
MWD	Metropolitan Water District
MWELO	Model Water Efficient Landscape Ordinance
NOAA	National Oceanic Atmospheric Administration
NCCAG	Natural Communities Commonly Associated with Groundwater
NPDES	National Pollutant Elimination System
NWC	Nuevo Water Company
NWIS	National Water Information System
Ous	Operable Units
OWTS	on-site wastewater treatment system
PAH	Polycyclic aromatic hydrocarbons
PFAS	Polyfluoroalkyl substances
PFOS/PFOA	Perfluorooctane sulfonate and perfluorooctanoic acid
Plan Area	Non-adjudicated portion of the San Jacinto Groundwater Basin
PRP	Potentially responsible parties
PWFP	Perris Water Filtration Plant
RCFCWCD	Riverside County Flood Control and Water Conservation District
RCH	Recharge Package for MODFLOW
RWRF	Moreno Valley Regional Water Reclamation Facility
RWQCB	Regional Water Quality Control Board
SARCCUP	Santa Ana River Conservation & Conjunctive Use Program
SAWPA	Santa Ana Watershed Project Authority
SB	Senate Bill
SDAC	Severely Disadvantaged Community
SDWA	Federal Safe Drinking Water Act
SDWIS	Safe Drinking Water Information System
SGMA	Sustainable Groundwater Management Act
SFR	Stream Flow Routing Package for MODFLOW
SJFM	San Jacinto Groundwater Flow Model
SJGB	San Jacinto Groundwater Basin
SJWA	San Jacinto Wildlife Area
SRA	State Recreation Area

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**ACRONYMS AND ABBREVIATIONS**

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<b>Acronym/Abbreviation</b>	<b>Definition</b>
SWRCB	State Water Resources Control Board
SWP	State Water Project
TAC	Technical Advisory Committee
TDS	total dissolved solids
TMDLs	total maximum daily loads
UCR	University of California - Riverside
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UWMP	Urban Water Management Plan
VOCs	Volatile Organic Compounds
WEL	Well Package for MODFLOW
WDR	Waste Discharge Requirement
WMWD	Western Municipal Water District
WRCRWTP	Western Riverside County Regional Wastewater Treatment Plant
WSA	Water Supply Assessment
WFP	Water Filtration Plant
WWRF	Western Water Recycling Facility