



KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

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## Public Review Draft

# Groundwater Sustainability Plan (GSP)

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## Kern River Groundwater Sustainability Agency KRGSA Plan Area

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August 2019



TODD  
GROUNDWATER





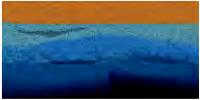
## KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

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**Draft**

August 2019

**TODD**   
**GROUNDWATER**

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## PROFESSIONAL CERTIFICATION

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## **Appendices**

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- APPENDIX B: Notice of Intent to Prepare a Groundwater Sustainability Plan
- APPENDIX C: Memorandum of Understanding with Greenfield County Water District;  
Memorandum of Understanding with Kern County
- APPENDIX D: Kern County Groundwater Subbasin Coordination Agreement
- APPENDIX E: GSP Preparation Checklist
- APPENDIX F: KRGSA Communication and Engagement Plan
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- APPENDIX I: Groundwater Technical Procedures and Monitoring Protocols
- APPENDIX J: Monitoring Network Hydrographs with Sustainable Management Criteria

## **Attachments**

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- Attachment 1: Historical and Projected Future Water Budget Development with C2VSimFG-Kern,  
Kern County Subbasin SGMA Compliance

## List of Acronyms

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AEWSD	Arvin Edison Water Storage District
AF	acre-feet
AFY	acre-feet per year
AWMP	Agricultural Water Management Plan
BMP	Best Management Practices
bgs	Below ground surface
BVWSD	Buena Vista Water Storage District
C2VSimFG-Kern	California Central Valley Groundwater-Surface Water Simulation Model Kern County Update for the Kern County and White Wolf Subbasin
Cal Poly	California Polytechnic State University, San Luis Obispo, California
Cal Water	California Water Service Company, Bakersfield District
CASGEM	California Statewide Groundwater Elevation Monitoring Program
CEQA	California Environmental Quality Act
CCR	California Code of Regulations
CDMG	California Division of Mines and Geology (now California Geological Survey)
cfs	cubic feet per second
CGS	California Geological Survey (formerly California Division of Mines and Geology)
CIMIS	California Irrigation Management Information System
City	City of Bakersfield
COB 2800	City of Bakersfield 2800 Acre Groundwater Banking Area
CVHM	Central Valley Hydrologic Model
CVRWQCB	Central Valley Regional Water Quality Control Board, also referred to as Central Valley Water Board
C2VSim	California Central Valley Groundwater-Surface Water Simulation
CVC	Cross Valley Canal
CVP	Central Valley Project
CWD	County Water District
DAC	Disadvantaged Communities
DBCP	1,2-Dibromo 3-chloropropane (also Dibromochloropropane)

DDW	Division of Drinking Water, SWRCB
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
EDB	Ethylene dibromide
ENCSD	East Niles Community Services District
ET	Evapotranspiration
Greenfield CWD	Greenfield County Water District
GSA	Groundwater Sustainability Agency
gse	Ground surface elevation
GSP	Groundwater Sustainability Plan
ID	Irrigation District or Improvement District
ID4	Improvement District No. 4 of the Kern County Water Agency
ITRC	Irrigation Training and Research Center
KCWA	Kern County Water Agency
KDWD	Kern Delta Water District
KFMC	Kern Fan Monitoring Committee
KGA	Kern Groundwater Authority
KRGSA	Kern River Groundwater Sustainability Agency
KRWCA	Kern River Watershed Coalition Authority
KWB	Kern Water Bank
LPUD	Lamont Public Utilities District
MA	Management Area
MCL	maximum contaminant level
mg/L	milligrams per liter or parts per million (ppm)
MO	Measurable Objective
MOU	Memorandum of Understanding
msl	mean sea level
MT	Minimum Threshold
NKWSD	North Kern Water Storage District
NORMWD	North of the River Municipal Water District

OMWC	Oildale Mutual Water Company
ppb	Parts per billion
ppm	Parts per million
ppt	Parts per trillion
PUD	Public Utilities District
RRBWSD	Rosedale-Rio Bravo Water Storage District
RRID	Rosedale Ranch Improvement District
SEIR	Supplemental Environmental Impact Report
SGMA	Sustainable Groundwater Management Act
Subbasin	Kern County Subbasin, when capitalized
SWP	State Water Project
SWRCB	State Water Resources Control Board
TCP	1,2,3-Trichloropropane
TDS	Total Dissolved Solids
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UWMP	Urban Water Management Plan
µg/L	micrograms per liter or parts per billion (ppb)
VWC	Vaughn Water Company
WAP	Water Allocation Plan
WD	Water District
WDR	Waste Discharge Requirements
WMP	Water Management Plan
WSD	Water Storage District
WRMWSD	Wheeler Ridge-Maricopa Water Storage District
WSA	Water Service Area
WY	Water Year, October 1 through September 30