



Groundwater Sustainability Plan

DECEMBER 2019





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Cuyama Valley Groundwater Basin

Groundwater Sustainability Plan

Prepared by:



December 2019

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- Appendix B Notification of Intent to Develop a Groundwater Sustainability Plan
- Appendix C Notice of Decision to Form a Groundwater Sustainability Agency
- Appendix D Groundwater Sustainability Plan Summary of Public Comments and Responses

Chapter 2

- Appendix A – Cuyama Valley Groundwater Basin Hydrographs
- Appendix B – White Paper: Subsidence and Subsidence Monitoring Techniques
- Appendix C – Cuyama Basin Water Resources Model Documentation
- Appendix D – Technical Memorandum: Verification of NCCAG-Identified Locations

Chapter 4

- Appendix A – Monitoring Protocols for Groundwater Level Monitoring Network
- Appendix B – USGS Ground-Water Data-Collection Protocols and Procedures for the National Water-Quality Assessment Program: Collection and Documentation of Water-Quality Samples and Related Data

Chapter 5

- Appendix A – Hydrographs Showing Minimum Thresholds, Measurable Objectives and Interim Milestones

Chapter 6

- Appendix A – Cuyama Basin Data Management System Opti Data Public User Guide



Acronyms

µg/L	micrograms per liter
AF	acre-feet (foot)
AFY	acre-feet per year
AHOGS	automated high output ground seeding system site
Basin	Cuyama Valley Groundwater Basin
BMP	best management practice
CASGEM Program	California Statewide Groundwater Elevation Monitoring Program
CBGSA	Cuyama Basin Groundwater Sustainability Agency
CBWD	Cuyama Basin Water District
CBWRM	Cuyama Basin Water Resources Model
CCR	California Code of Regulations
CCSD	Cuyama Community Services District
CDFW	California Department of Fish and Wildlife
CEDEN	California Environmental Data Exchange Network
CEQA	California Environmental Quality Act
CGPS	continuous global positioning system
CMWC	Cuyama Mutual Water Company
CUVHM	Cuyama Valley Hydrologic Model
DEM	digital elevation model
DMS	data management system
DWR	California Department of Water Resources
EKI	EKI Environment & Water, Inc.
EPA	United States Environmental Protection Agency
GAMA Program	California Groundwater Ambient Monitoring and Assessment Program
GDE	groundwater dependent ecosystem
GPS	global positioning system
GSE	ground surface elevation
GSP	Groundwater Sustainability Plan
HCM	hydrogeologic conceptual model



Acronyms

ID	identification number
ILRP	Irrigated Lands Regulatory Program
IM	interim milestone
InSAR	interferometric synthetic aperture radar
IRWM	Integrated Regional Water Management
LID	low impact development
LiDAR	light detection and ranging
Ma	million years
MCL	maximum contaminant level
mg/L	milligrams per liter
MO	measurable objective
MSC	Master State Well Code
MT	minimum threshold
NAVSTAR	Original name for the Global Positioning System; satellite-based radionavigation system owned by the United States government and operated by the United States Air Force
NCCAG	Natural Communities Commonly Associated with Groundwater
NEPA	National Environmental Policy Act
NMFS	National Marine Fisheries Service
NRCS	Natural Resources Conservation Service
NWIS	National Watershed Information System
NWQMC	National Water Quality Monitoring Council
PBO	Plate Boundary Observatory
PG&E	Pacific Gas & Electric
PRISM	Parameter-Elevation Regressions on Independent Slopes Model
RCD	Resource Conservation District
RWQCB	Regional Water Quality Control Board
SAGBI	Soil Agricultural Groundwater Banking Index
SBCF	Santa Barbara Canyon Fault
SBCWA	Santa Barbara County Water Agency



Acronyms

SGMA	Sustainable Groundwater Management Act
SLOCFC&WCD	San Luis Obispo County Flood Control & Water Conservation District
SR	State Route
TDS	total dissolved solids
TSS	Technical Support Services
UNAVCO	University NAVSTAR Consortium, a non-profit, university-governed consortium facilitating geoscience research and education using geodesy
USGS	United States Geological Survey
VCWPD	Ventura County Watershed Protection District
VWSC	Ventucopa Water Supply Company
WDL	Water Data Library
WMP	Water Management Plan