

Sierra Valley Subbasin Groundwater Sustainability Plan



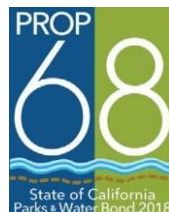
**Sierra Valley
Groundwater
Management District**

Adopted on January 17, 2022



Adopted on January 18, 2022

Sierra Valley Subbasin Groundwater Sustainability Plan Acknowledgments



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GROUNDWATER SUSTAINABILITY AGENCIES



**Sierra Valley
Groundwater
Management District**



Sierra Valley Groundwater Management District Board of Directors

Einen Grandi, Chairman
Don Wallace, Vice-Chair
Dwight Ceresola, Director
Dave Goicoechea, Director

Greg Ramelli, Director
Jim Roberti, Director
Paul Roen, Director

Plumas County Board of Supervisors

Kevin Goss, Chair, District Two
Dwight Ceresola, Vice-Chair, District One
Sherrie Thrall, District Three

Greg Hagwood, District Four
Jeff Engel, District Five

TECHNICAL ADVISORY COMMITTEE (TAC)

William Copren, Feather River Trout Unlimited
Tracey Ferguson, Plumas County
Greg Hinds, Hinds Engineering
Uma Hinman, Upper Feather River Integrated Regional Water Management Group
Joe Hoffman, Plumas National Forest
Michael Hogan, Certified Professional in Erosion and Sediment Control
Rachel Hutchinson, Tahoe National Forest
Kristi Jamason, Liaison for Sierra Valley Groundwater Management District
Joy Markum and Jerry Gerow, City of Loyalton
Elizabeth Morgan, Sierra County Environmental Health
Rick Roberti, Sierra Valley Resource Conservation District
Rob Robinette, Plumas County Environmental Health
Ken Roby, Feather River Land Trust
Paul Rose and Tom Archer, Sierraville Public Utilities District
Tom Rowson, Sierra Brooks Water System
Tracy Schohr, UC Cooperative Extension
Jill Slocum, Plumas Audubon
Willo Vieira, Agricultural Commissioner for Plumas and Sierra counties

Ex Officio Members: Debbie Spangler, Liaison for DWR and Bridgett Gibbons, Liaison for CDFW

PLANNING COMMITTEE

Tracey Ferguson, Planning Director, Plumas County	Betsy Elzufon, GSP Assistant Project Manager, LWA
Jenny Gant, Board Clerk, Sierra Valley Groundwater Management District	Dwight Smith, Principal Hydrogeologist, McGinley & Associates
Kristi Jamason, Consultant, Sierra Valley Groundwater Management District	Judie Talbot, Outreach Facilitator
Laura Foglia, GSP Project Manager, LWA	Debbie Spangler, Senior Engineering Geologist, Liaison for DWR

TECHNICAL CONSULTANT TEAM



List of Acronyms

AB	Assembly Bill
AEM	Airborne Electromagnetic Survey
AFY	Acre-feet-per-year
Ag	Agriculture
AGLAND	Irrigated Agricultural Land Waiver
ASR	Aquifer Storage and Recovery
ASTDR	Agency for Toxic Substances and Disease Registry
Basin Plan	Water Quality Control Plan for the Sacramento River Basin and the San Joaquin River Basin
BLM	Bureau of Land Management
BMP	Best Management Practice
Board	Board of Directors/Supervisors
C&E	Communications and Engagement Plan
Ca ²⁺	Calcium
CA	California
CAFSD	California Freshwater Species Database
CalTrans	California Department of Transportation
CalVeg	Classification and Assessment with Landsat of Visible Ecological Groupings
CASGEM	California Statewide Groundwater Elevation Monitoring
CCR	California Code of Regulations
CDEC	California Data Exchange Center
CDFG	California Department of Fish and Game
CDFW	California Department of Fish and Wildlife
CDP	Census-Designated Place
CEQA	California Environmental Quality Act
CFBF	California Farm Bureau Federation
CGPS	Continuous Global Positioning System
Cl-	Chloride
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CWC	California Water Code
DAC	Disadvantaged Community
DEM	Digital Elevation Model
Dept	Department
DMS	Data Management System
DMW	District Monitoring Well
DRI	Desert Research Institute
DTW	Distribution of Groundwater Level and Depth to Water
DWR	California Department of Water Resources
EDF	Electronic Deliverable Format
ELAP	California Environmental Laboratory Accreditation Program
ET	Evapotranspiration
FRLT	Feather River Land Trust
GAMA	Groundwater Ambient Monitoring Assessment
GDE	Groundwater Dependent Ecosystem
GIS	Geographic Information Systems

GPS	Geographic Positioning Systems
GSA	Groundwater Sustainability Agencies
GSP	Groundwater Sustainability Plan
GW	Groundwater
HCM	Hydrogeologic Conceptual Model
HCO ³	Bicarbonate
HR	High Resolution
IM	Interim Milestone
InSAR	Interferometric Synthetic Aperture Radar
IPaC	USFWS Information for Planning and Consultation Portal
IRWM	Integrated Regional Water Management
ISW	Interconnected Surface Water
JPL	Jet Propulsion Laboratory
K ⁺	Potassium
LiDAR	Light Detection and Ranging
LPC	Lidar Point Cloud
LWA	Larry Walker Associates
MA	Management Action
MAR	Managed Aquifer Recharge
MCL	Maximum Contaminant Level
MFFR	Middle Fork Feather River
MFP	Middle Fork Feather River near Portola
Mg ²⁺	Magnesium
Mg/l	milligram per liter
MMU	Minimum Mapping Unit
MO	Measurable Objective
MOU	Memorandum of Understanding
MT	Minimum Threshold
MTBE	Methyl Tertiary Butyl Ether
MUN	Municipal and Domestic Supply
Na ⁺	Sodium
NASA	National Aeronautics and Science Administration
NDVD	National Geodetic Vertical Datum
NDVI	Normalized Difference Vegetation Index
NGO	Non-governmental Organization
NHD	National Hydrography Dataset
NoCAL	Northern California
NRCS	Natural Resources Conservation Service
NV	Nevada
NWI	National Wetlands Inventory
OD	Outside Diameter
OWTS	Onsite Wastewater Treatment Systems
PALSAR	Phased Array L-band Synthetic Aperture Radar
Plan	Groundwater Sustainability Plan
PMA	Project and Management Action
PUD	Public Utility District
QA/QC	Quality Assurance/ Quality Control
RCD	Resource Conservation District
Regional Board	Central Valley Regional Water Quality Control Board
RP	Reference Point

RPE	Reference Point Elevation
RMP	Representative Monitoring Points
SB	Senate Bill
SDWA	Safe Drinking Water Act
SGMA	Sustainable Groundwater Management Act
SI	Sustainability Indicators
SMC	Sustainable Management Criteria
SMCL	Secondary Maximum Contaminant Level
SO ⁴	Sulfate
SPI	Sierra Pacific Industries
SSURGO	Soil Survey Geographic Database
SV	Sierra Valley
SVGB	Sierra Valley Groundwater Basin
SVGMD	Sierra Valley Groundwater Management District
SVIHM	Sierra Valley Integrated Hydrogeologic Model
SVRCD	Sierra Valley Resource Conservation District
SVWHM	Sierra Valley Watershed Hydrogeological Model
SWP	California State Water Project
SWRCB	State Water Resources Control Board
TAC	Technical Advisory Committee
TDS	Total Dissolved Solids
TNC	The Nature Conservancy
UAVSAR	Uninhabited Aerial Vehicle Synthetic Aperture Radar
UC	University of California
UCCE	University of California Cooperative Extension
Ug/l	microgram per liter
UNR	University of Nevada, Reno
US	United States
USACE	United States Army Corps of Engineers
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
WL	Watch List
WQ	Water Quality
WQO	Water Quality Objective



LARRY WALKER ASSOCIATES

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Sierra Valley Groundwater Management District
Plumas County

Adopted January 17, 2022 & January 18, 2022

This report was prepared by the staff and sub-consultants of Larry Walker Associates under the supervision of the Engineer(s) and/or Geologist(s) whose seal(s) and signature(s) appear hereon.

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