

Acronyms and Abbreviations

µg/L	microgram(s) per liter
µS/cm	microSiemens per centimeter
AB	Assembly Bill
AEM	airborne electromagnetic
AF	acre-feet
AFY	acre-feet per year
AG	agricultural
amsl	above mean sea level
ASR	aquifer storage and recovery
AWIA	America’s Water Infrastructure Act
Basin	Petaluma groundwater basin
BCM	basin characterization model
bgs	below ground surface
BMP	best management practice
CASGEM	California Statewide Groundwater Elevation Monitoring
CBI	Consensus Building Institute
CCR	California Code of Regulations
CCTAG	Climate Change Technical Advisory Group
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CII	commercial, industrial, and institutional
CMIP5	Coupled Model Intercomparison Project 5
CNDDDB	California Natural Diversity Database
COC	constituent of concern
CoCoRaHS	Community Collaborative Rain, Hail and Snow Network
County	Sonoma County
CWC	California Water Code
DAC	Disadvantaged Community

DDW	State Water Resources Control Board, Division of Drinking Water
DHS	Department of Health Services
DWR	California Department of Water Resources
ECWRF	Ellis Creek Water Recycling Facility
EIR	Environmental Impact Report (under CEQA)
ET	evapotranspiration
eWRIMS	Electronic Water Rights Information Management System
ft/d	foot(feet) per day
ft ² /d	square foot(feet) per day
ft/yr	foot(feet) per year
GAMA	Groundwater Ambient Monitoring and Assessment Program
GCM	general circulation model
GDE	groundwater dependent ecosystem
GHG	greenhouse gas
gpm	gallon(s) per minute
gpm/ft	gallon(s) per minute per foot
GPS	global positioning system
GSA	Groundwater Sustainability Agency
GSFLOW	USGS Groundwater and Surface-Water Flow Model
GSP	Groundwater Sustainability Plan
HCM	hydrogeologic conceptual model
InSAR	Interferometric Synthetic Aperture Radar
IRWM	Integrated Regional Water Management
IRWMP	Integrated Regional Water Management Program
ISW	interconnected surface water
JPA	Joint Exercise of Powers Agreement
LAFCO	Local Agency Formation Commission
LID	low impact development
LiDAR	Light Detection and Ranging
M&I	municipal and industrial

MCL	maximum contaminant level
mg/L	milligram(s) per liter
MO	measurable objective
msl	mean sea level
MT	minimum threshold
NA	not applicable
NAVD88	North American Vertical Datum of 1988
NBWD	North Bay Water District
NBWRA	North Bay water Reuse Authority
NBWRP	North Bay water Reuse Program
NCRWQCB	North Coast Regional Water Quality Control Board
NGVD29	National Geodetic Vertical Datum of 1929
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
NWIS	National Water Information System
PBO	Plate Boundary Observatory
PRISM	Parameter-elevation Regressions on Independent Slopes Model
PV	Petaluma Valley
PVIHM	Petaluma Valley Integrated Groundwater Flow Hydrologic Model
QA/QC	quality assurance / quality control
RCD	Resource Conservation District
RCP	Representative Concentration Pathway
Regional Boards	Regional Water Quality Control Boards
RMP	representative monitoring point
SB	Senate Bill
SC	specific conductance
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SFEI	San Francisco Estuary Institute
SGMA	Sustainable Groundwater Management Act
SMC	sustainable management criteria

SMCL	secondary maximum contaminant level
SSURGO	Soil Survey Geographic Database
SWRCB	State Water Resources Control Board
SWRP	Stormwater Resources Plan
TDS	total dissolved solids
TNC	The Nature Conservancy
TSS	Technical Support Services (a DWR program)
TTE	Tertiary Treatment Expansion
UNAVCO	University NAVSTAR Consortium
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
UWMP	Urban Water Management Plan
WY	water year