

Public Review Draft
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Alternative Groundwater Sustainability Plan for the Livermore Valley Groundwater Basin

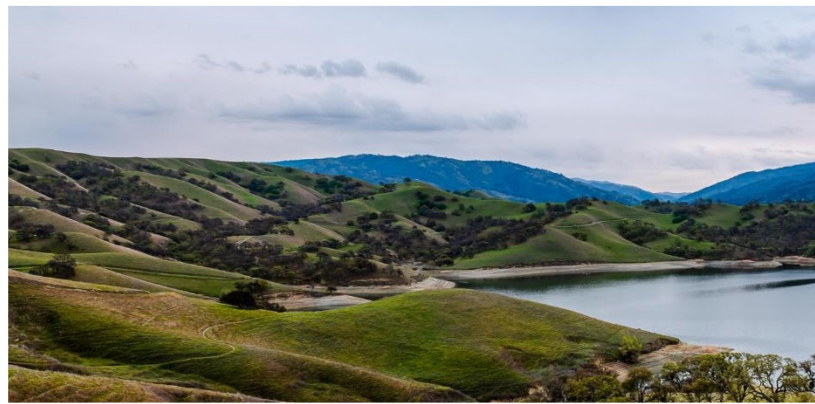
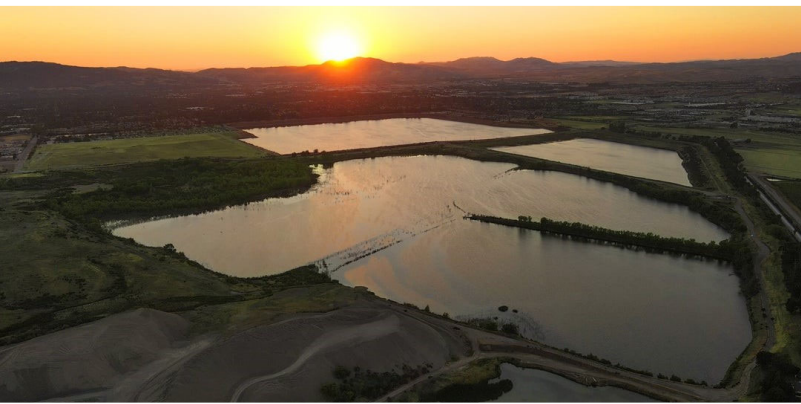




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List of Abbreviations

AB	Assembly Bill
ACCDA	Alameda County Community Development Agency
ACEH	Alameda County Environmental Health
ACWD	Alameda County Water District
AF	acre-feet
AFY	acre-feet per year
AIS	Aerial Information Systems
AMP	Asset Management Plan
AOC	Areas of Concern
ARM	Aerial Recharge Model
BARDP	Bay Area Regional Desalination Project
BMO	Basin Management Objectives
BMP	Best Management Practices
CASGEM	California Statewide Groundwater Elevation Monitoring
CCE	California Conservation Easements
CCR	California Code of Regulations
CCWD	Contra Costa Water District
CDFW	California Department of Fish and Wildlife
CE	Categorical Exemption
CEC	Contaminants of Emerging Concern
CEQA	California Environmental Quality Act
CIMIS	California Irrigation Management Information System
CIP	Capital Improvement Program
COC	Consituents of Concern
COL	Chain of Lakes
CPA	California Protected Area
CUWCC	California Urban Water Conservation Council
CWC	California Water Code
CWS	California Water Service
CY	calendar year
DAC	disadvantaged community
DCE	dichloroethene
DCP	Delta Conveyance Project
DCR	Delivery Capability Report
DDW	Division of Drinking Water
DSRSD	Dublin San Ramon Services District
DWR	Department of Water Resources
EACCS	East Alameda County Conservation Strategy
EBMUD	East Bay Municipal Utilities District
EBRPD	East Bay Regional Park District
EDF	Environmental Defense Fund
EHD	Environmental Health Division



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EIR	Environmental Impact Report
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
ET	evapotranspiration
ETo	reference evapotranspiration
ft	feet
ft bgs	feet below ground surface
ft msl	feet above mean sea level
ft/day	feet per day
FY	fiscal year
GAMA	Groundwater Ambient Monitoring and Assessment
GDE	Groundwater Dependent Ecosystem
GIS	geographic information system
GPQ	Groundwater Pumping Quota
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GWE	groundwater elevation
GWMP	Groundwater Management Plan
HCM	Hydrogeologic Conceptual Model
HGA	HydroGeoAnalyst
HI	Hydrologic Inventory
HRL	Health Reference Level
ICSW	Interconnected Surface Water
IDC	Integrated Water Flow Model Demand Calculator
IM	Interim Milestone
IS	Initial Study
IWFM	Integrated Water Flow Model
LAMP	Local Agency Management Program
LARPD	Livermore Area Recreation and Park District
LAVWMA	Livermore-Amador Valley Water Management Agency
LDV	Lake Del Valle
LLNL	Lawrence Livermore National Laboratory
LVE	Los Vaqueros Reservoir Expansion
LWRP	Livermore Water Reclamation Plant
M&I	Municipal and Industrial
MCL	Maximum Contaminant Level
mg/L	milligrams per liter
MGD	million gallons per day
MGDP	Mocho Groundwater Demineralization Plant
MHI	median household income
MND	Mitigated Negative Declaration
MO	Measurable Objective
MODFLOW	USGS Modular Finite-Difference Flow Model



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MOU	memorandum of understanding
MT	Minimum Threshold
MTBE	methyl tertiary-butyl ether
µg/L	micrograms per liter
NA	not applicable
NCCAG	Natural Communities Commonly Associated with Groundwater
ND	Negative Declaration
NDMI	Normalized Derived Moisture Index
NDVI	Normalized Derived Vegetation Index
NEPA	National Environmental Policy Act
NL	Notification Level
NMP	Nutrient Management Plan
NO ₃ N	nitrate-nitrogen
NOAA-	
NMFS	National Marine Fishery Service
NPDES	National Pollution Discharge Elimination System
NRCS	National Resource Conservation Service
OWTS	onsite wastewater treatment systems
P/MA	Projects and Management Actions
PCE	tetrachlorethylene
PFAS	per- and polyfluoroalkyl substances
PFBS	perfluorobutanesulfonic acid
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
POTWs	publicly-owned treatment works
PRG	Preliminary Remediation Goal
QA/QC	Quality Assurance/Quality Control
RL	Response Level
RMS	Representative Monitoring Sites
RMS-ICSW	Representative Monitoring Sites for Depletions of Interconnected Surface Water
RMS-WL	Representative Monitoring Sites for Chronic Lowering of Groundwater Levels
RMS-WQ	Representative Monitoring Sites for Degraded Water Quality
RRE	rural-residential-equivalence
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SBA	South Bay Aqueduct
SCADA	Supervisory Control and Data Acquisition
SCEP	Stakeholder Communication and Engagement Plan
SCVWD	Santa Clara Valley Water District
SDAC	severely disadvantaged community



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SFPUC	San Francisco Public Utilities Commission
SGMA	Sustainable Groundwater Management Act
SLDMWA	San Luis & Delta-Mendota Water Authority
SMARA	Surface Mining and Reclamation Act
SMC	Sustainable Management Criteria
SMP	Salt Management Plan
SPA	Special Permit Areas
SWP	State Water Project
SWRCB	State Water Resources Control Board
TAF	thousand acre-feet
TBA	tertiary-butyl alcohol
TCE	trichloroethylene
TDS	total dissolved solids
TNC	The Nature Conservancy
TPHd	total petroleum hydrocarbon as diesel
TPHg	total petroleum hydrocarbon as gasoline
TRE	TRE Altamira
TSS	Toxic Sites Surveillance
UCC	Urban Creeks Council
UR	Undesirable Result
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geologic Survey
UWMP	Urban Water Management Plan
VA	Veterans Administration
VBA	Visual Basic for Applications
VC	vinyl chloride
WBIC	weather-based irrigation controller
WMP	Well Master Plan
WQO	water quality objective
WR	Water Rights
WSCP	Water Shortage Contingency Plan
WSE	Water Supply Evaluation
WWMP	Wastewater Management Plan
WY	Water Year