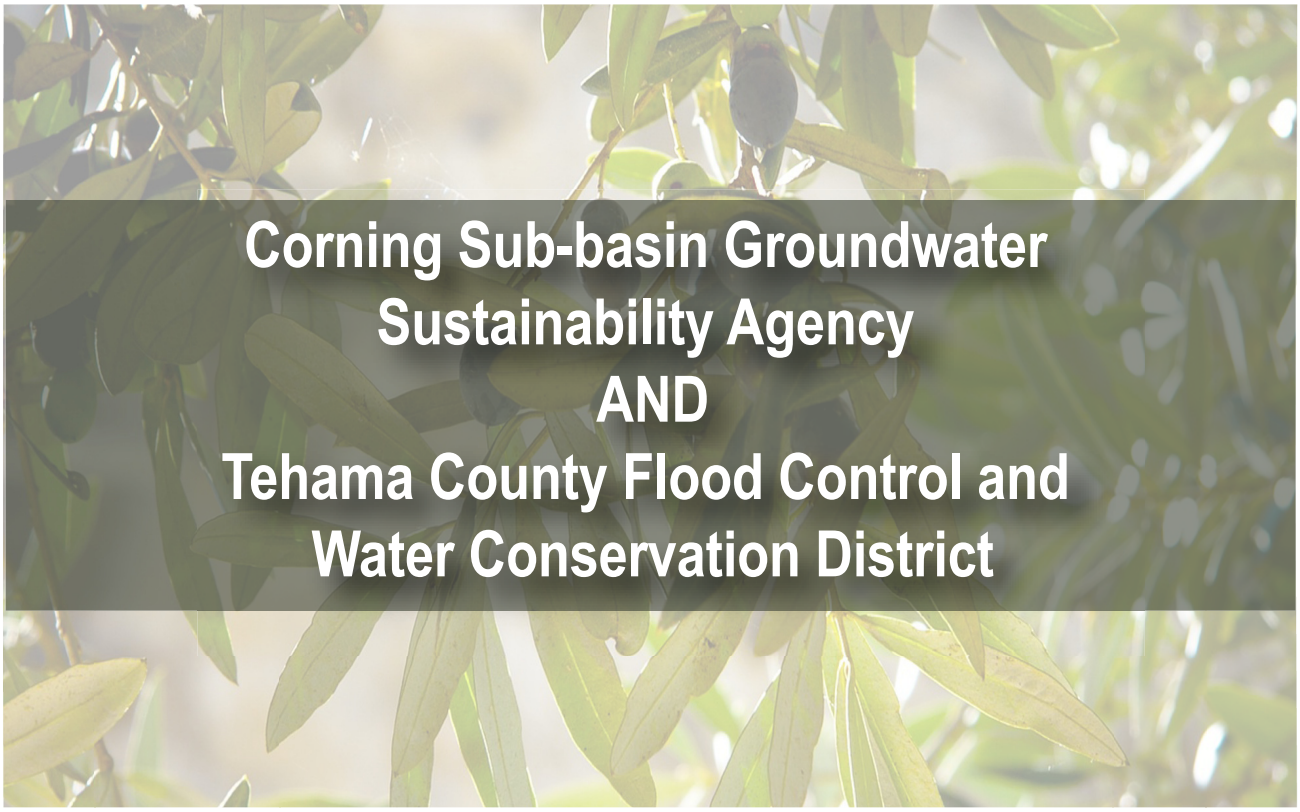
Corning Subbasin Groundwater Sustainability Plan





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corningsubbasingsp.org

PREFACE

The Sustainable Groundwater Management Act (SGMA) was adopted in 2014 to ensure sustainable management of groundwater resources by local authorities. Since 2017, the Tehama County Flood Control and Water Conservation District (Tehama County FCWCD) and the Corning Sub-basin GSA, have been the Groundwater Sustainability Agencies (GSAs) for the Subbasin. The Tehama County FCWCD serves as the GSA for the Tehama County portion of the Subbasin and the Corning Sub-basin GSA (which is composed of multiple agencies) serves as the GSA for the Glenn County Portion of the Subbasin. The GSAs cooperatively developed, adopted, and have been implementing the Groundwater Sustainability Plan (GSP) for the Subbasin since that time. The development of the GSP was conducted using the best available data at the time, and best science and management practices in order to ensure adequate access to groundwater resources for all beneficial users in the Subbasin. The GSP was developed with input from groundwater professionals, public officials, land stewards and the general public throughout the region and Subbasin. In January 2022, the GSP was submitted to the California Department of Water Resources (DWR) for review.

In October 2023, the GSAs were notified by DWR via a determination letter that the GSP required revisions to correct deficiencies identified in the plan. Deficiencies identified in the letter requiring revision included the assessment of overdraft conditions in the Sub-basin, and explanation and justification of sustainable management criteria. Revisions to the GSP would be required to be developed, adopted, and submitted for review within 180 days, or before April 23, 2024.

In response to this letter, the GSAs mobilized quickly to address the identified deficiencies in the GSP. Given this abbreviated timeline, the GSAs prioritized the portions of the GSP specifically described in the DWR determination letter for review and revision. Multiple meetings were held throughout the GSP revision process that were open to the public and input received at these meetings was considered. Additionally, representatives from the GSAs and their technical team met with the DWR on multiple occasions to review initial feedback and discuss strategies for revising the plan to address DWR's concerns.

Because these revisions are focused on the deficiencies identified in the determination letter, the GSAs acknowledge that there are portions of the Revised GSP which do not take into account changes to conditions since the submittal of the original GSP in January 2022. It is expected that additional updates to the GSP will be made during the five-year period evaluation (if not sooner) due in January 2027, as is consistent with adaptive management of the subbasin. For instance, the numerical groundwater model developed and described in the original GSP to predict future conditions in the subbasin was not updated as a part of the revision process due to time and resource limitations. However, every effort was made to update portions of the GSP which directly relate to the deficiencies detailed in the DWR determination letter. Additionally, while public input was encouraged, and efforts were made to solicit feedback from all stakeholders and the public during the GSP revision process, the GSAs acknowledge that the short timeline to develop and adopt the revised GSP limited the ability to hold targeted public

workshops. The GSAs value public input and are committed to continuing outreach efforts to inform the management of the subbasin and updates to the plan during periodic evaluations.

Despite the constraints, the GSAs were committed to addressing the deficiencies identified in the determination letter. This Revised GSP contains significant updates and additions which will positively contribute to the sustainable management of the Subbasin. These changes include revisions to the Subbasin's Sustainable Management Criteria that are protective of beneficial uses and users of groundwater. The GSAs have projects and management actions identified to proactively address impacts to beneficial users. Additionally, the GSAs have passed resolutions with a strong commitment to develop and implement both Demand Management and Well Mitigation Programs, by January 2027 and January 2026 respectively.

With the benefit of feedback from DWR in its determination letter and consultation meetings, and additional resources now available to the GSAs in the form of guidance documents, grants, and technical assistance, the GSAs believe that this Revised GSP is a significantly improved plan which will help to ensure sustainable management of the Subbasin. This Revised Plan is only the beginning, the GSAs look forward to continuous improvement and adaptive management of this GSP, through evaluations during the development of its annual reports and periodic evaluations, implementation of projects and management actions, and as additional information and tools become available. The GSAs and all stakeholders in the basin are committed to an open and inclusive process of improvement and maintaining local control of a shared resource for the mutual benefit of all.

Corning Subbasin Groundwater Sustainability Plan
Signature Page

The Corning Subbasin Groundwater Sustainability Plan was prepared under the direction of a professional civil engineer licensed in the state of California as required per California Code of Regulations, Title 23 Section 354.12 consistent with professional standards of practice.



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November 29, 2021

The Revised Corning Subbasin Groundwater Sustainability Plan was prepared under the direction of a professional geologist/hydrogeologist licensed in the state of California as required per California Code of Regulations, Title 23 Section 354.12 consistent with professional standards of practice.





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ACRONYMS & ABBREVIATIONS

µS/cm	microsiemens per centimeter
Advisory Board or CSAB	Corning Subbasin Advisory Board
AEM	Airborne Electromagnetic
AF	acre-feet / acre-foot
AF/yr	acre-feet per year
amsl	above mean sea level
APN	Assessor Parcel Number
AWMP	Agricultural Water Management Plan
Basin Plan	Water Quality Control Plan for the Sacramento San Joaquin River Basins
bgs	below ground surface
BLM	Bureau of Land Management
BMO	Basin Management Objective
BMP	Best Management Practice
Board of Directors	Tehama County Board of Directors
Brown Act	Ralph M. Brown Act
Bulletin 118	Bulletin 118 – 2016 Update
C&E Plan	Communications & Engagement Plan
C2VSimFG	California Central Valley Groundwater Surface Water Simulation Model Fine Grid
Cal-IPC	California Invasive Plant Council
CASGEM	California Statewide Groundwater Elevation Monitoring
CCR	California Code of Regulations
CDEC	California Data Exchange Center
CDFW	California Department of Fish and Wildlife
CDP	census-designated places
CDPH	California Department of Public Health
CDPR	California Department of Parks and Recreation
CEQA	California Environmental Quality Act
cfs	cubic feet per second
Chico State	California State University, Chico
CNDDB	California Natural Diversity Database
Commission	Tehama County Flood Control and Water Conservation District Groundwater Commission
CSD	Community Services District
CSGSA	Corning Sub-basin GSA
CVP	Central Valley Project
CVPIA	Central Valley Project Improvement Act

CVRWQCB .....Central Valley Regional Water Quality Control Board
CV-SALTS .....Central Valley Salinity Alternatives for Long-term Sustainability
CWC .....California Water Code
DAC .....Disadvantaged Community
DDW .....Division of Drinking Water
DFW.....Department of Fish and Wildlife
DMS.....Data Management System
DPR.....Department of Pesticide Regulation
DPW.....Department of Public Works
DTSC .....California State Department of Toxic Substances Control
DWR .....California Department of Water Resources
EC .....electrical conductivity
EDF .....Environmental Defense Fund
ET.....evapotranspiration
F .....Fahrenheit
Flood-MAR.....Flood-Managed Aquifer Recharge
GAMA .....Groundwater Ambient Monitoring and Assessment
GAR .....Groundwater Quality Assessment Report
GCBS .....Glenn County Board of Supervisors
GCID.....Glenn-Colusa Irrigation District
GCWAC.....Glenn County Water Advisory Committee
GDE .....groundwater dependent ecosystem
GSA or Agencies .....Groundwater Sustainability Agency
GSP or Plan.....Groundwater Sustainability Plan
HCM .....Hydrogeologic Conceptual Model
HMP.....Hazard Mitigation Plan
iGDE .....indicators of Groundwater Dependent Ecosystem
ILRP.....Irrigated Lands Regulatory Program
InSAR .....Interferometric Synthetic Aperture Radar
IPCC.....Intergovernmental Panel on Climate Change
IWFM.....Integrated Water Flow Model
LUST.....leaking underground storage tank
MAR .....Managed Aquifer Recharge
MCL.....Maximum Contaminant Level
mg/L.....milligrams per Liter
MOA .....Memorandum of Agreement
MOU .....Memorandum of Understanding
NAHC .....Native American Heritage Commission
NCCAG.....Natural Communities Commonly Associated with Groundwater
NCWA .....Northern California Water Association

NEPA .....National Environmental Policy Act
NPDES.....National Pollution Discharge Elimination System
NRCS .....National Resources Conservation Service
NSac.....North Sacramento IWFM Model
NSV.....Northern Sacramento Valley
NSV IRWMP .....Northern Sacramento Valley Integrated Regional Water Management Plan
NWIS .....National Water Information System
O&M.....operations and maintenance
OUP.....Orland Unit Project
OUWUA .....Orland Unit Water Users' Association
Paskenta Band.....Paskenta Band of Nomlaki Indians
Paskenta Reservation .....Paskenta Band of Nomlaki Indians Reservation
PCE .....Tetrachloroethylene
PLSS .....Public Land Survey System
PRISM.....Parameter-Elevation Relationships on Independent Slides Model
PWS .....potable water system
RCAC.....Rural Community Assistance Corporation
RCD .....Resource Conservation Districts
RD 2140.....California Reclamation District 2140
Regional Board .....Central Valley Regional Water Quality Control Board
RMP .....representative monitoring point
SAFER .....Water Board Safe and Affordable Funding for Equity and Resilience
SCADA.....Supervisory Control and Data Acquisition
SGMA.....California Sustainable Groundwater Management Act
SMC .....Sustainable Management Criteria
SMCL.....Secondary Maximum Contaminant Level
SNMP.....salt and nitrate management plan
SRWA.....Sacramento River Wildlife Area
SSURGO.....Soil Survey Geographic Database
Subbasin.....Corning Subbasin
SVWQC .....Sacramento Valley Water Quality Coalition
SWRCB.....State Water Resources Control Board
TAC.....Technical Advisory Committee
TCC.....Tehama-Colusa Canal
TCCA.....Tehama-Colusa Canal Authority
TCE.....Trichloroethylene
TCFCWCD .....Tehama County Flood Control and Water Conservation District
TDS.....total dissolved solids

Tehama GWMP .....Tehama County Groundwater Management Plan
TNC.....The Nature Conservancy
Tribal Lands .....Paskenta Band of Nomlaki Indians Reservation
TSS.....Technical Support Services
UC Davis.....University of California, Davis
UCCE .....University of California Cooperative Extension
UIC.....Underground Injection Control
USACE .....United States Army Corps of Engineers
USBR .....United States Bureau of Reclamation
USDA.....United States Department of Agriculture
USDI .....United States Department of Interior
USEPA.....United States Environmental Protection Agency
USFWS .....United States Fish and Wildlife Service
USGS .....United States Geological Survey
UWMP .....Urban Water Management Plan
VOC .....volatile organic compound
WDL .....Water Data Library
WDR .....Waste Discharge Requirements
WWTP .....wastewater treatment plant
WY .....water year