

# 1 INTRODUCTION TO THE CORNING SUBBASIN GROUNDWATER SUSTAINABILITY PLAN

This Groundwater Sustainability Plan (GSP or “Plan”) was prepared for the Corning Subbasin (Subbasin) (Figure 1-1) to fulfill the requirements of the 2014 California Sustainable Groundwater Management Act (SGMA). This section of the Plan presents the purpose of the GSP, the Subbasin sustainability goal, and pertinent information about the local Groundwater Sustainability Agencies (GSAs or Agencies) formed to develop and implement the Plan.



Figure 1-1. Corning Subbasin Location

## 1.1 Purpose of the Groundwater Sustainability Plan

The purpose of the GSP is to provide a framework for the Subbasin to achieve groundwater sustainability within the 50-year planning and implementation horizon as defined by SGMA legislative sections §10720 to 10737.8 of the California Water Code (CWC). The Corning

Subbasin (5-021.51) was required by SGMA to develop and approve a GSP by January 31, 2022, based on its classification by the California Department of Water Resources (DWR) as a high priority subbasin in the 2019 Basin Boundary Modifications process (DWR, 2020a) and as not critically overdrafted in the Bulletin 118 - 2016 Update (Bulletin 118; DWR, 2016a). SGMA requires that medium- and high-priority groundwater basins and subbasins develop GSPs that outline how they will achieve groundwater sustainability within 20 years of GSP implementation. This GSP fulfills that requirement for the Corning Subbasin of the Sacramento Valley Groundwater Basin.

The Corning Subbasin is located on the border of Glenn and Tehama counties and comprises a portion of the Sacramento Valley Groundwater Basin. The Subbasin is bounded by the Sacramento River to the east, Stony Creek and the Tehama-Glenn county line to the south, the Coast Ranges to the west, and Thomes Creek to the north. The Subbasin is bounded by 5 medium- and high-priority Sacramento Valley Groundwater Subbasins to the north, east, and south as shown on Figure 1-2. The Coast Range to the west of the Subbasin is not defined by DWR as a groundwater basin and is not managed under SGMA.

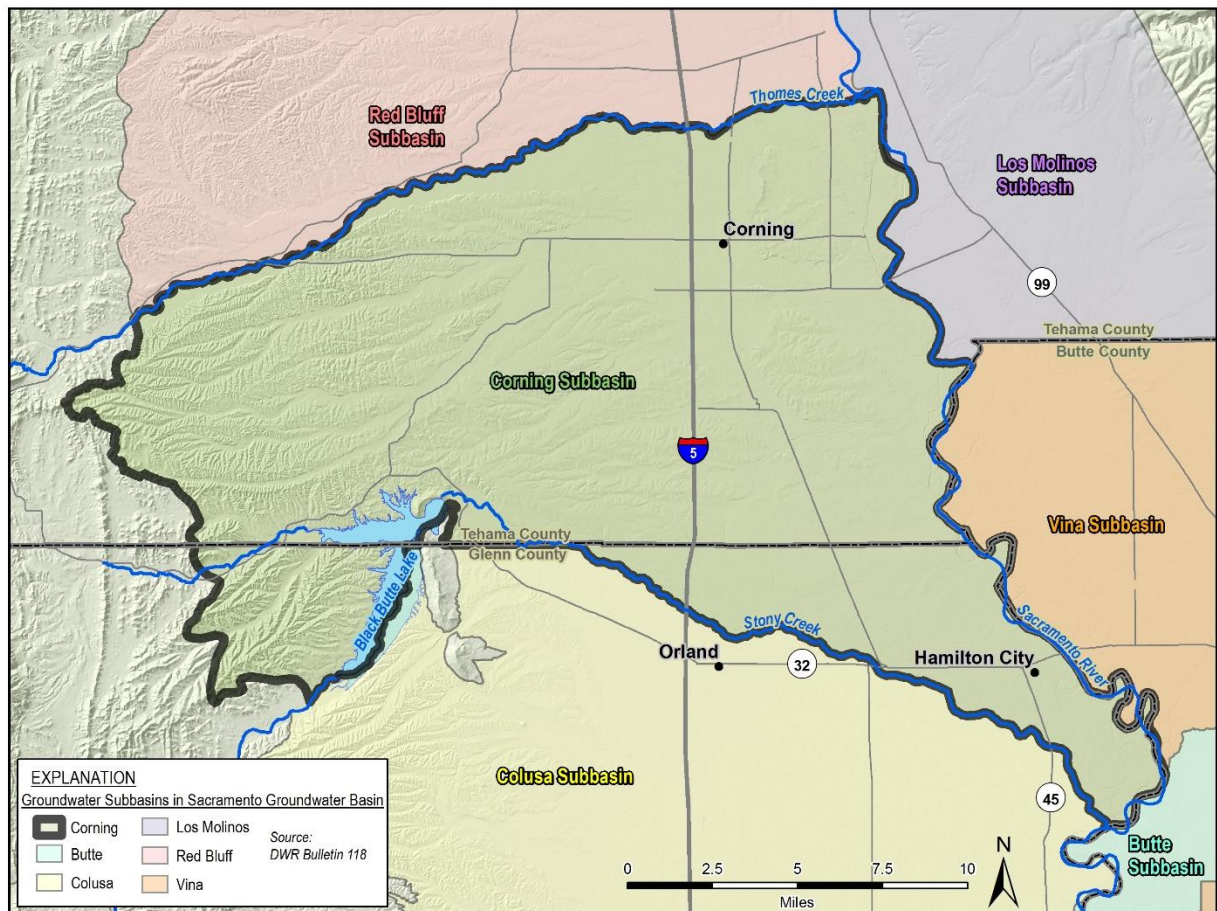


Figure 1-2. Adjacent Subbasin Locations

The purpose of this GSP is to outline how the Agencies will achieve groundwater sustainably in the Subbasin within 20 years, and maintain sustainability for an additional 30 years. It aims to satisfy the GSP requirements of SGMA by:

- Describing the plan area and basin setting, including geographic features, a hydrogeologic conceptual model, and groundwater conditions based on technical studies and best available information
- Developing a water budget that provides an accounting and assessment of the total annual volume of groundwater and surface water entering and leaving the Subbasin for historical, current, and projected conditions
- Defining a locally determined sustainability goal that culminates in the absence of the 6 undesirable results set forth in SGMA, through the planning and implementation horizons
- Identifying and describing quantifiable, measurable objectives, minimum thresholds, and undesirable results for each applicable sustainability indicator of the 6 set forth in SGMA
- Establishing a monitoring network to collect data of sufficient quality, frequency, and distribution to characterize groundwater and related surface water conditions and evaluate changing conditions that occur through implementation of the Plan
- Specify projects and management actions to meet the sustainability goal for the Subbasin in a manner that can be maintained over the planning and implementation horizon, as well as develop an approach for Plan implementation and funding

This plan was developed with all beneficial uses and users of groundwater in the Subbasin in mind, and benefitted from a collaborative, open, and transparent approach with local stakeholders. In particular, as this basin has very little urban groundwater use, as compared to agricultural groundwater use, domestic well owners and Disadvantaged Communities (DACs) were important stakeholders considered in this Plan (Section 2.16.3). In addition, the Paskenta Band of Nomlaki Indians (Paskenta Band) (location shown on Figure 1-1) was engaged early in the process of SGMA understanding, GSA formation, and GSP development, as evidenced by initial notifications sent and meetings held with their Tribal Council (additional information is provided in Section 2.14.4).

This GSP was developed to be protective of both groundwater levels and groundwater quality for all beneficial users including residential well owners and DACs. By addressing all beneficial uses and users of groundwater, the GSP has addressed California's Human Right to Water. Additional information on how the Human Right to Water was considered in this GSP is provided in subsequent sections, such as Section 2.16 *Notice and Communication*, and Section 6 on Sustainable Management Criteria.

## 1.2 Sustainability Goal

Under SGMA, each GSP shall establish a sustainability goal for the subbasin that culminates in the absence of undesirable results within 20 years of submission of the GSP. The Plan must use subbasin information to locally define the sustainability goal and include a discussion of the measures that will be implemented to reach the goal within the 20-year planning and implementation timeline. Following CWC Section §10721(x), the Agencies define the sustainability goal as the absence of the following 6 undesirable results throughout the subbasin:

1. Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply
2. Significant and unreasonable reduction of groundwater storage
3. Significant and unreasonable seawater intrusion
4. Significant and unreasonable degraded water quality, including the migration of contaminant plumes that impair water supplies
5. Significant and unreasonable land subsidence that substantially interferes with surface land uses
6. Depletions of interconnected surface water that have significant and unreasonable adverse impacts on beneficial uses of the surface water

In this GSP, the Agencies provide locally defined values for significant and unreasonable harm for each of the applicable undesirable results above. Further, they provide quantifiable measurable objectives, interim milestones, and minimum thresholds for sustainability indicators corresponding to each undesirable result applicable within the Corning Subbasin. The GSAs considered all available data and evaluated long-term trends to define undesirable results.

The sustainability goal for the Corning Subbasin was defined by GSAs and stakeholders as:

*The goal of the Groundwater Sustainability Plan is to ensure sufficient and affordable water of good quality be available on a sustainable basis to meet the unique needs of agricultural, residential, municipal, industrial, recreational, tribal, and environmental users within the Corning Subbasin, both now and in the future. The GSAs recognize that sustainability can only be possible with the support of the public and coordination of local, state, tribal, and federal agencies and the utilization of both surface and groundwater resources.*

The sustainability goal is further defined and described in Section 6 – Sustainable Management Criteria.

### 1.3 Agency Information (Reg. §354.6)

This GSP was developed by 2 GSAs shown on Figure 1-3: The Corning Sub-basin GSA (CSGSA) and the Tehama County Flood Control and Water Conservation District (TCFCWCD). The TCFCWCD is the exclusive GSA for the portion of the Subbasin within Tehama County. The CSGSA is the exclusive GSA for the Glenn County portion of the Subbasin. These agencies have the legal authority to become GSAs according to CWC §10720 *et seq.*, as they are responsible for water supply, water management, and/or land use within their respective portions of the Subbasin. The 2 GSAs involved in the development of this GSP were formed in accordance with the requirements of CWC §10723 *et seq.* The following sections describe their organization and management structure and each agency’s specific authorities for GSA formation and groundwater management.

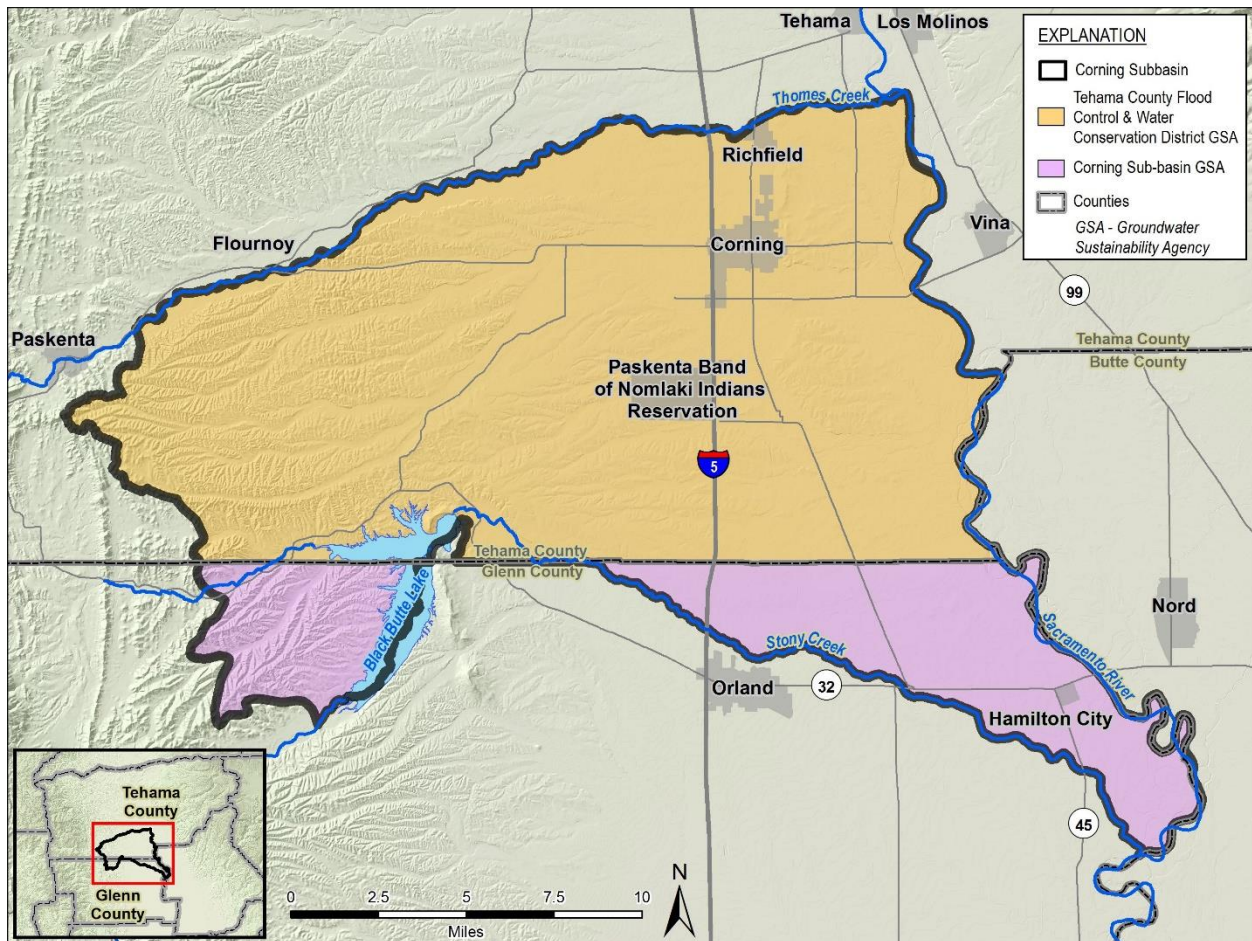


Figure 1-3. Corning Sub-basin GSAs

## **1.3.1 Corning Sub-basin GSA**

### **1.3.1.1 Organization and Management Structure of the Agency (§354.6(b))**

CWC §10723.6 authorizes a combination of local agencies overlying a groundwater basin or subbasin to elect to become a GSA by using a Memorandum of Agreement (MOA) or other legal agreement. The CSGSA was formed in 2017 through an MOA between Glenn County and Glenn-Colusa Irrigation District (GCID; Appendix 1A). The CSGSA serves as the exclusive GSA for the portion of the Corning Subbasin within the jurisdictional boundary of Glenn County. Through the MOA, a GSA Committee was established as the governing body of the GSA. Each Party is responsible to appoint 2 representatives to serve on the GSA Committee and may appoint 1 alternate. In 2020, the MOA was amended to include the Monroeville Water District (WD) as a Party to the MOA and 2 representatives from the district were appointed to the GSA Committee.

### **1.3.1.2 Legal Authority (§354.6(d))**

The Corning Sub-basin GSA is a legal entity that is authorized to be a GSA pursuant to CWC §10723. Upon establishing itself as a GSA, it retains all the rights and authorities provided to GSAs under CWC §10725 *et seq.* It has legal authority to implement a GSP over the portion of the Corning Subbasin within the jurisdictional boundary of Glenn County.

### **1.3.1.3 Name and Contact Information of Plan Manager (§354.6(c))**

Lisa Hunter, Water Resource Coordinator, Glenn County  
[lhunter@countyofglenn.net](mailto:lhunter@countyofglenn.net) | 530-934-6540

### **1.3.1.4 Mailing Address (§354.6(a))**

Corning Sub-basin GSA  
225 North Tehama Street, Willows, CA 95988

### **1.3.1.5 Member Agency Additional Information**

#### **1.3.1.5.1 Glenn County**

Glenn County is authorized to operate as part of a GSA as it has land use jurisdiction within the Subbasin. The Glenn County contact information is the same as that listed for the Plan management.

#### **1.3.1.5.2 Glenn-Colusa Irrigation District**

GCID owns land within the southeastern portion of the Corning Subbasin and operates a water diversion on the Sacramento River as well as a canal and groundwater supply wells within the

boundaries of the Subbasin. The GCID is authorized to be part of a GSA as it has water supply and water management jurisdiction within the Subbasin. The GCID contact associated with development of this GSP is as follows:

Greg Krzys, Interim General Manager, GCID  
gkrzys@gcid.net | 530-934-8881  
P.O. Box 150, Willows, CA 95988

#### **1.3.1.5.3 *Monroeville Water District***

The Monroeville WD is a local water district that formed to ensure adequate representation for district landowners in response to SGMA. The Monroeville WD was created in 2015, approved by the Glenn Local Agency Formation Commission in 2016, and formed by election of Board of Directors on November 14, 2017. The Monroeville WD is authorized to be part of a GSA as it has water supply and water management jurisdiction within the Subbasin. The Monroeville WD contact associated with development of this GSP is as follows:

Merrilee Vanderwaal, District Manager, Monroeville WD  
[monroevillewd@gmail.com](mailto:monroevillewd@gmail.com) | 530-934-7794  
P.O. Box 1113, Willows, CA 95988

### **1.3.2 Tehama County Flood Control and Water Conservation District**

#### **1.3.2.1 Organization and Management Structure of the Agency (§354.6(b))**

The TCFCWCD serves as the exclusive GSA for the portion of the Corning Subbasin within the jurisdictional boundary of Tehama County per the Notice of Intent provided in Appendix 1B. The Tehama County Board of Supervisors serves as the legislative and executive body of Tehama County. The TCFCWCD Board of Directors (Board of Directors) focuses on flood control and water supply issues in Tehama County and is the governing board for the GSA per Resolution Number 05-2015 provided in Appendix 1B. The Board of Directors and Tehama County Board of Supervisors are made up of the same 5 representatives. The Board of Directors created the Tehama County Groundwater Commission (Commission) on June 7, 2016, for SGMA decision-making and advisory responsibilities within the TCFCWCD jurisdiction in Tehama County. The Commission is an advisory board tasked with overseeing GSP development and implementation for all the GSPs in Tehama County. The Commission reports to the Board of Directors. The Commission is composed of 11 members, including at least 3 members with an existing connection to the Corning Subbasin. These 3 members include 1 member appointed by the Corning City Council, and 2 members appointed by the Board of Directors who are residents, property owners, or groundwater users within Tehama County Supervisorial Districts Four and Five, which cover the entirety of the Tehama County portion of the Subbasin.

### **1.3.2.2 Legal Authority (§354.6(d))**

The TCFCWCD is a legal entity that is authorized to be a GSA pursuant to CWC§10723. Upon establishing itself as a GSA, it retains all the rights and authorities provided to GSAs under CWC §10725 *et seq.* It has legal authority to implement a GSP over the portion of the Corning Subbasin within the jurisdictional boundary of Tehama County.

### **1.3.2.3 Name and Contact Information of Plan Manager (§354.6(c))**

Justin Jenson, Flood Control and Water Resources Manager, TCFCWCD  
[JJenson@tcpw.ca.gov](mailto:JJenson@tcpw.ca.gov) | 530-690-0700 ext. 201

### **1.3.2.4 Mailing Address (§354.6(a))**

Tehama County Flood Control and Water Conservation District  
1509 Schwab Street, Red Bluff, CA 96080

## **1.3.3 Memorandum of Understanding Among Groundwater Sustainability Agencies in the Corning Subbasin (§354.6(d))**

On January 7, 2020, the Corning Sub-basin GSA and TCFCWCD (the “Members”) signed a Memorandum of Understanding (MOU) among the 2 GSAs in the Corning Subbasin. The Agencies entered into this MOU for the purposes of organizing the GSAs in the Corning Subbasin and cooperating in the development of a single GSP. Specifically, the MOU established a legal framework for the following:

1. To develop and implement a single GSP
2. To cooperatively carry out the purposes of SGMA
3. To develop, adopt, and implement a legally sufficient GSP for the Basin in order to implement SGMA requirements and achieve the sustainability goals outlined in SGMA
4. To coordinate basin-wide public involvement and stakeholder outreach and engagement for developing and implementing the Corning Subbasin GSP
5. To maintain mutual respect for the autonomy of individual Members and preservation of each Member’s separate legal authorities, power, duties, and rights as separate public agencies and GSAs.

The MOU established the Corning Subbasin Advisory Board (Advisory Board or CSAB) to advise on the GSP preparation and implementation processes. The Advisory Board consists of 3 representatives (Member Directors) and 1 alternate appointed by the governing body of each Member, at least 1 of whom will be an elected official member of the governing body. The Advisory Board shall establish: 1) a GSA cooperation forum of Member Directors; 2) a publicly



noticed meeting and process pursuant to the Ralph M. Brown Act (Brown Act, California Government Code 54950 *et seq.*) for public involvement in GSP development and implementation in the Basin; 3) a mechanism whereby Members raise, and attempt in good faith to resolve, any disputes that may occur between and among Members pursuant to Article 9.2 of the MOU; and 4) to make advisory recommendations to the Members concerning development and implementation of the GSP. The Advisory Board met regularly during preparation of the GSP to discuss progress towards completion of the Plan. Section 2.16.4 provides additional information on CSAB activities and stakeholder outreach during development of the GSP. The Member Directors reported recommendations to each Member's governing body/bodies for consideration, as GSP decision-making authority ultimately resided with the Member's governing bodies. Finally, the MOU also lays out the terms of agreement for the committee formation, term, management areas, specific projects, financial provisions, and withdrawal and termination. See Appendix 1A for the complete MOU.

### **1.3.4 Estimated Cost of Implementing the GSP and the GSAs' Approach to Meet Costs (§354.6(e))**

The GSAs have developed initial cost estimates for the early phase of GSP implementation, recognizing that costs will be adjusted as the implementation phase starts and more details on initial activities are developed.

The GSP initial cost estimate is approximately \$1,078,000 per year for the first 5 years of implementation. This annualized estimate accounts for costs associated with Plan administration, monitoring, reporting, information gathering, and developing GSA funding mechanisms, and does not include costs to implement projects and management actions. This initial cost estimate will likely change as more data become available, GSP implementation approaches are refined, and funding mechanisms are developed. In addition, some line items may be optional or may be delayed beyond the first 5 years to allow for funding to be arranged. The estimated cost of implementing the GSP is described in detail in Section 8 – GSP Implementation.

During the initial phase of GSP implementation (2022 – 2026), the GSAs will evaluate and seek to implement self-funding strategies to recover the costs of their sustainable groundwater management activities. Budgets will be refined and cost-sharing mechanisms agreed to by the GSAs. Grants will be pursued to help recover some of the implementation costs when available. The GSP funding approach is described in detail in Section 8 – GSP Implementation.

## 1.4 GSP Organization

### 1.4.1 Description of How the GSP is Organized

The Agencies used a collaborative process to develop this GSP. The GSP is organized as follows:

Section 2 of the GSP describes the plan area, public notice and communication process. The plan area summarizes the Subbasin geographic extent, identifies the agencies with water supply, water management, or land use decision-making responsibility within the jurisdictional boundaries, and summarizes the various planning and management documents such as existing general plans, management plans, land use plans, and monitoring plans. The notice and communication portion of Section 2 presents the public communication protocol followed during the GSP process.

Section 3 describes the basin setting, which is comprised of the hydrogeologic conceptual model and the current and historical groundwater conditions and background information for all applicable sustainability indicators. The basin setting uses the best available data to define current understanding of groundwater and water conditions in the Subbasin.

Section 4 presents historical, current, and projected water budgets. The water budget provides an accounting of the total annual volume of groundwater and surface water entering and leaving the Subbasin, the annual groundwater overdraft (when applicable), and an estimate of sustainable yield for the Subbasin. The water budget was based on the best available information and an integrated hydrologic modeling tool.

Section 5 summarizes the monitoring network and protocols for data collection. This section includes discussion of representative monitoring locations and data gaps for sustainability indicators. The monitoring network and protocols were established for collection of sustainability indicator data of sufficient quality, frequency, and distribution to characterize groundwater and related surface water conditions and evaluate changing conditions that occur through implementation of the Plan.

Section 6 describes the sustainability goal that culminates in the absence of undesirable results during the planning and implementation horizon. The Plan summarizes the specific sustainable management criteria, or minimum thresholds, measurable objectives, interim milestones, and undesirable results for each applicable sustainability indicator.

Section 7 outlines projects and management actions for meeting the sustainability goal over the planning and implementation horizon. This section describes key elements for implementing the proposed strategies, including expected costs (as available), benefits, schedule, permitting requirements, legal framework, and logistics such as water availability and coordination with partner agencies.

Section 8 details how the Agencies will implement the Plan. This section includes an estimate of costs, implementation schedule, and a framework for annual and 5-year evaluations.

This GSP may be updated and adapted as new information, data analysis, and more refined models become available. If necessary, changes to the GSP will be proposed in the 5-year Periodic Evaluation, or documented in annual reports, as applicable.

## **1.4.2 Preparation Checklist for GSP Submittal**

The required elements for the GSP and reference to the specific regulation guidance are summarized in Table 1-1.

Table 1-1. Corning Subbasin GSP Preparation Checklist

GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) in the GSP
<b>Article 3. Technical and Reporting Standards</b>				
352.2		Monitoring protocols	<ul style="list-style-type: none"> <li>Monitoring protocols adopted by the GSA for data collection and management</li> <li>Monitoring protocols that are designed to detect changes in groundwater levels, groundwater quality, inelastic surface subsidence for basins for which subsidence has been identified as a potential problem, and flow and quality of surface water that directly affect groundwater levels or quality or are caused by groundwater extraction in the basin</li> </ul>	<p>Section 5.7</p> <p>Sections 5.2 – 5.6</p>
<b>Article 5. Plan Contents, Subarticle 1. Administrative Information</b>				
354.4		General Information	<ul style="list-style-type: none"> <li>Executive Summary</li> <li>List of references and technical studies</li> </ul>	<p>Section ES.1 – 8</p> <p>Reference List</p>
354.6		Agency Information	<ul style="list-style-type: none"> <li>GSA mailing address</li> <li>Organization and management structure</li> <li>Contact information of Plan Manager</li> <li>Legal authority of GSA</li> <li>Estimate of implementation costs</li> </ul>	<p>Section 1.3</p>
354.8(a)	10727.2(a)(4)	Maps	<ul style="list-style-type: none"> <li>Area covered by GSP</li> <li>Adjudicated areas, other agencies within the basin, and areas covered by an Alternative Plan</li> <li>Jurisdictional boundaries of federal or state land</li> <li>Existing land use designations</li> <li>Density of wells per square mile</li> </ul>	<p>Section 2.1</p> <p>Section 2.1</p> <p>Section 2.5</p> <p>Section 2.3</p> <p>Section 2.6</p>

GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 5. Plan Contents, Subarticle 1. Administrative Information (continued)</b>				
354.8(b)		Description of the Plan Area	<ul style="list-style-type: none"> <li>• Summary of jurisdictional areas and other features</li> </ul>	Section 2.5
354.8(c) 354.8(d) 354.8(e)	10727.2(g)	Water Resource Monitoring and Management Programs	<ul style="list-style-type: none"> <li>• Description of water resources monitoring and management programs</li> <li>• Description of how the monitoring networks of those plans will be incorporated into the GSP</li> <li>• Description of how those plans may limit operational flexibility in the basin</li> <li>• Description of conjunctive use programs</li> </ul>	Sections 2.7 – 2.9 Sections 2.7 – 2.9 Sections 2.7 – 2.9 Section 2.10
354.8(f)	10727.2(g)	Land Use Elements or Topic Categories of Applicable General Plans	<ul style="list-style-type: none"> <li>• Summary of general plans and other land use plans</li> <li>• Description of how implementation of the GSP may change water demands or affect achievement of sustainability and how the GSP addresses those effects</li> <li>• Description of how implementation of the GSP may affect the water supply assumptions of relevant land use plans</li> <li>• Summary of the process for permitting new or replacement wells in the basin</li> <li>• Information regarding the implementation of land use plans outside the basin that could affect the ability of the Agencies to achieve sustainable groundwater management</li> </ul>	Section 2.12 Section 2.13  Section 2.14  Section 2.11  Section 2.12

GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 5. Plan Contents, Subarticle 1. Administrative Information (continued)</b>				
354.8(g)	10727.4	Additional GSP Contents	<b>Description of Actions related to:</b> <ul style="list-style-type: none"> <li>• Control of saline water intrusion</li> <li>• Wellhead protection</li> <li>• Migration of contaminated groundwater</li> <li>• Well abandonment and well destruction program</li> <li>• Replenishment of groundwater extractions</li> <li>• Conjunctive use and underground storage</li> <li>• Well construction policies</li> <li>• Addressing groundwater contamination cleanup, recharge, diversions to storage, conservation, water recycling, conveyance, and extraction projects</li> <li>• Efficient water management practices</li> <li>• Relationships with state and federal regulatory agencies</li> <li>• Review of land use plans and efforts to coordinate with land use planning agencies to assess activities that potentially create risks to groundwater quality or quantity</li> <li>• Impacts on groundwater dependent ecosystems</li> </ul>	Not applicable Section 2.15 Section 2.8 Section 2.11 Not applicable Not applicable Section 2.11 Section 2.15  Section 2.15 Section 2.15 Sections 2.12 – 2.15  Section 3.2.7
354.10		Notice and Communication	<ul style="list-style-type: none"> <li>• Description of beneficial uses and users</li> <li>• List of public meetings</li> <li>• GSP comments and responses</li> <li>• Decision-making process</li> <li>• Public engagement</li> <li>• Encouraging active involvement</li> <li>• Informing the public on GSP implementation progress</li> </ul>	Section 2.16 Appendix 2C Appendix 2F Appendix 2A Appendix 2A-2E Appendix 2A-2F Appendix 2E

GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 5. Plan Contents, Subarticle 2. Basin Setting</b>				
354.14		Hydrogeologic Conceptual Model	<ul style="list-style-type: none"> <li>• Description of the Hydrogeologic Conceptual Model</li> <li>• Two scaled cross-sections</li> <li>• Map(s) of physical characteristics: topographic information, surficial geology, soil characteristics, surface water bodies, source and point of delivery for imported water supplies</li> </ul>	Section 3.1 Section 3.1.6 Section 3.1
354.14(c)(4)	10727.2(a)(5)	Map of Recharge Areas	<ul style="list-style-type: none"> <li>• Map delineating existing recharge areas that substantially contribute to the replenishment of the basin, potential recharge areas, and discharge areas</li> </ul>	Section 3.1.8
	10727.2(d)(4)	Recharge Areas	<ul style="list-style-type: none"> <li>• Description of how recharge areas identified in the plan substantially contribute to the replenishment of the basin</li> </ul>	Section 3.1.8
354.16	10727.2(a)(1) 10727.2(a)(2)	Current and Historical Groundwater Conditions	<ul style="list-style-type: none"> <li>• Groundwater elevation data</li> <li>• Estimate of groundwater storage</li> <li>• Seawater intrusion conditions</li> <li>• Land subsidence conditions</li> <li>• Groundwater quality issues</li> <li>• Identification of interconnected surface water systems</li> <li>• Identification of groundwater-dependent ecosystems</li> </ul>	Section 3.2.2 Section 3.2.3 Section 3.2.4 Section 3.2.5 Section 3.2.6 Section 3.2.7 Section 3.2.7
354.18	10727.2(a)(3)	Water Budget Information	<ul style="list-style-type: none"> <li>• Description of inflows, outflows, and change in storage</li> <li>• Quantification of overdraft</li> <li>• Estimate of sustainable yield</li> <li>• Quantification of current, historical, and projected water budgets</li> </ul>	Section 4.1 Sections 4.2 – 4.4 Section 4.4 Sections 4.2 – 4.4
	10727.2(d)(5)	Surface Water Supply	<ul style="list-style-type: none"> <li>• Description of surface water supply used or available for use for groundwater recharge or in-lieu use</li> </ul>	Section 4.2

GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 5. Plan Contents, Subarticle 2. Basin Setting (continued)</b>				
354.20		Management Areas	<ul style="list-style-type: none"> <li>Reason for creation of each management area</li> <li>Minimum thresholds and measurable objectives for each management area</li> <li>Level of monitoring and analysis</li> <li>Explanation of how management of management areas will not cause undesirable results outside the management area</li> <li>Description of management areas</li> </ul>	Section 6.4 (not applicable)
<b>Article 5. Plan Contents, Subarticle 3. Sustainable Management Criteria</b>				
354.24		Sustainability Goal	<ul style="list-style-type: none"> <li>Description of the sustainability goal</li> </ul>	Section 6.2
354.26		Undesirable Results	<ul style="list-style-type: none"> <li>Description of undesirable results</li> <li>Cause of groundwater conditions that would lead to undesirable results</li> <li>Criteria used to define undesirable results for each sustainability indicator</li> <li>Potential effects of undesirable results on beneficial uses and users of groundwater</li> </ul>	Sections 6.5 – 6.10
354.28	10727.2(d)(1) 10727.2(d)(2)	Minimum Thresholds	<ul style="list-style-type: none"> <li>Description of each minimum threshold and how they were established for each sustainability indicator</li> <li>Relationship for each sustainability indicator</li> <li>Description of how selection of the minimum threshold may affect beneficial uses and users of groundwater</li> <li>Standards related to sustainability indicators</li> <li>How each minimum threshold will be quantitatively measured</li> </ul>	Sections 6.5 – 6.10



GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 5. Plan Contents, Subarticle 3. Sustainable Management Criteria (continued)</b>				
354.30	10727.2(b)(1) 10727.2(b)(2) 10727.2(d)(1) 10727.2(d)(2)	Measurable Objectives	<ul style="list-style-type: none"> <li>• Description of establishment of the measurable objectives for each sustainability indicator</li> <li>• Description of how a reasonable margin of safety was established for each measurable objective</li> <li>• Description of a reasonable path to achieve and maintain the sustainability goal, including a description of interim milestones</li> </ul>	Sections 6.5 – 6.10
<b>Article 5. Plan Contents, Subarticle 4. Monitoring Networks</b>				
354.34	10727.2(d)(1) 10727.2(d)(2) 10727.2(e) 10727.2(f)	Monitoring Networks	<ul style="list-style-type: none"> <li>• Description of monitoring network</li> <li>• Description of monitoring network objectives</li> <li>• Description of how the monitoring network is designed to: demonstrate groundwater occurrence, flow directions, and hydraulic gradients between principal aquifers and surface water features; estimate the change in annual groundwater in storage; monitor seawater intrusion; determine groundwater quality trends; identify the rate and extent of land subsidence; and calculate depletions of surface water caused by groundwater extractions</li> <li>• Description of how the monitoring network provides adequate coverage of Sustainability Indicators</li> <li>• Density of monitoring sites and frequency of measurements required to demonstrate short-term, seasonal, and long-term trends</li> <li>• Scientific rational (or reason) for site selection</li> <li>• Consistency with data and reporting standards</li> <li>• Corresponding sustainability indicator, minimum threshold, measurable objective, and interim milestone</li> </ul>	Section 5.1  Section 5.1  Sections 5.2 – 5.6       Sections 5.2 – 5.6  Sections 5.2 – 5.6  Sections 5.2 – 5.6  Sections 5.2 – 5.6  Sections 6.5 – 6.10

GSP Regulations Section	Water Code Section	Requirement	Description	Section(c) or Page Number(s) in the GSP
<b>Article 5. Plan Contents, Subarticle 4. Monitoring Networks (continued)</b>				
			<ul style="list-style-type: none"> <li>• Location and type of each monitoring site within the basin displayed on a map, and reported in tabular format, including information regarding the monitoring site type, frequency of measurement, and the purposes for which the monitoring site is being used</li> <li>• Description of technical standards, data collection methods, and other procedures or protocols to ensure comparable data and methodologies</li> </ul>	<p>Sections 5.2 – 5.6</p> <p>Sections 5.2 – 5.6</p>
354.36		Representative Monitoring	<ul style="list-style-type: none"> <li>• Description of representative sites</li> <li>• Demonstration of adequacy of using groundwater elevations as proxy for other sustainability indicators</li> <li>• Adequate evidence demonstrating site reflects general conditions in the area</li> </ul>	<p>Sections 5.2 – 5.6</p> <p>Sections 5.3 and 5.6</p> <p>Sections 5.2 – 5.6</p>
354.38		Assessment and Improvement of Monitoring Network	<ul style="list-style-type: none"> <li>• Review and evaluation of the monitoring network</li> <li>• Identification and description of data gaps</li> <li>• Description of steps to fill data gaps</li> <li>• Description of monitoring frequency and density of sites</li> </ul>	<p>Sections 5.2 – 5.6</p> <p>Sections 5.2 – 5.6</p> <p>Sections 5.2 – 5.6</p> <p>Sections 5.2 – 5.6</p>

GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 5. Plan Contents, Subarticle 5. Projects and Management Actions</b>				
354.44		Projects and Management Actions	<ul style="list-style-type: none"> <li>• Description of projects and management actions that will help achieve the basin's sustainability goal</li> <li>• Measurable objective that is expected to benefit from each project and management action</li> <li>• Circumstances for implementation</li> <li>• Public noticing</li> <li>• Permitting and regulatory process</li> <li>• Timetable for initiation and completion, and the accrual of expected benefits</li> <li>• Expected benefits and how they will be evaluated</li> <li>• How the project or management action will be accomplished. If the projects or management actions rely on water from outside the jurisdiction of the Agency, an explanation of the source and reliability of that water shall be included.</li> <li>• Legal authority required</li> <li>• Estimated costs and plans to meet those costs</li> <li>• Management of groundwater extractions and recharge</li> </ul>	Sections 7.3 and 7.4
354.44(b)(2)	10727.2(d)(3)		<ul style="list-style-type: none"> <li>• Overdraft mitigation projects and management actions</li> </ul>	Sections 7.3 and 7.4

GSP Regulations Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 8. Interagency Agreements</b>				
357.4	10727.6	Coordination Agreements - Shall be submitted to the Department together with the GSPs for the basin and, if approved, shall become part of the GSP for each participating Agency.	<b>Coordination Agreements shall describe the following:</b> <ul style="list-style-type: none"> <li>• A point of contact</li> <li>• Responsibilities of each Agency</li> <li>• Procedures for the timely exchange of information between Agencies</li> <li>• Procedures for resolving conflicts between Agencies</li> <li>• How the Agencies have used the same data and methodologies to coordinate GSPs</li> <li>• How the GSPs implemented together satisfy the requirements of SGMA</li> <li>• Process for submitting all Plans, Plan amendments, supporting information, all monitoring data and other pertinent information, along with annual reports and periodic evaluations</li> <li>• A coordinated data management system for the basin</li> <li>• Coordination agreements shall identify adjudicated areas within the basin, and any local agencies that have adopted an Alternative that has been accepted by the Department</li> </ul>	Not applicable