Groundwater Sustainability Commission

for the San Luis Obispo Valley Groundwater Basin

NOTICE OF MEETING

NOTICE IS HEREBY GIVEN that the Groundwater Sustainability Commission will hold a **Regular Meeting** at **3:30 P.M.** on **Wednesday, September 9, 2020.** Based on the threat of COVID-19 as reflected in the Proclamations of Emergency issued by both the Governor of the State of California and the San Luis Obispo County Emergency Services Director, as well as the Governor's Executive Order N-29-20 issued on March 17, 2020 relating to the convening of public meetings in response to the COVID-19 pandemic, this meeting will be conducted as a phone-in/web-based meeting only. There will be no physical meeting location for this GSC Meeting. Members of the public can participate via phone or by logging into the web-based meeting.

TO JOIN THE MEETING FROM YOUR COMPUTER, TABLET OR SMARTPHONE, GO TO:
https://global.gotomeeting.com/join/950902253
(This link will help connect both your browser and telephone to the call)

YOU CAN ALSO DIAL IN USING YOUR PHONE:
United States: +1 (224) 501-3412
Access Code: 950-902-253

All persons desiring to speak during any Public Comment can submit a comment by:

- Email at dtzou@co.slo.ca.us by 5:00 PM on the day prior to the Commission meeting
- Teleconference meeting at https://global.gotomeeting.com/join/950902253
- Teleconference by phone at +1 (224) 501-3412 and enter 950-902-253
- Mail by 5:00 PM on the day prior to the Commission meeting to:
  County of San Luis Obispo Department of Public Works
  Attn: Dick Tzou
  County Government Center, Room 206
  San Luis Obispo, CA 93408
- Additional information on how to submit Public Comment is provided on page 3 of this Agenda

NOTE: The Groundwater Sustainability Commission reserves the right to limit each speaker to three (3) minutes per subject or topic. In compliance with the Americans with Disabilities Act and Executive Order N-29-20, all possible accommodations will be made for individuals with disabilities, so they may participate in the meeting. Persons who require accommodation for any audio, visual or other disability in order to participate in the meeting of the GSC are encouraged to request such accommodation 48 hours in advance of the meeting from Joey Steil at (805) 781-5252.

GROUNDWATER SUSTAINABILITY COMMISSION AGENDA

TBD, Member, County of San Luis Obispo
Bob Schiebelhut, Chair, EVGMWC
Dennis Fernandez, Member, ERMWC/VRMWC
Mark Zimmer, Vice Chair, GSWC
Andy Pease, Member, City of San Luis Obispo

Bruce Gibson, Alternate, County of San Luis Obispo
George Donati, Alternate, EVGMWC
James Lokey, Alternate, ERMWC/VRMWC
Toby Moore, Alternate, GSWC
Aaron Floyd, Alternate, City of San Luis Obispo

---

1. **Call to Order** (Chair)
2. **Roll Call** (City Staff: Mychal Boerman)
3. **Pledge of Allegiance** (Chair)
4. **Public Comment – Items not on Agenda** (Chair)

5. **Approval of Meeting Minutes** (Chair)
   a) July 8, 2020

6. **Project Status Updates** (City and County Staff: Mychal Boerman and Dick Tzou)
   a) Overview of Governance/Quarterly Progress on Stakeholder Engagement
   b) Project Activity Updates
      i. Groundwater Sustainability Commission Member vacancy for the County of San Luis Obispo
      ii. Highlights of Quarterly Newsletter Update Vol. 4 — August 2020

7. **Sustainability Goal for the SLO Basin** (WSC Consultant Team: Michael Cruikshank)

   Recommendation

   a) Receive a presentation on the Draft Sustainability Goal for the SLO Basin.

8. **Monitoring Network** (WSC Consultant Team: Spencer Harris)

   Recommendation

   a) Receive a presentation on the draft monitoring network.

9. **Representative Wells and Sustainable Management Criteria** (WSC Consultant Team: Dave O'Rourke)

   Recommendation

   a) Receive a presentation on the selection criteria for the draft representative wells and associated draft sustainable management criteria.

10. **Draft Data Management Plan for Review and Comment** (WSC Consultant Team: Mike Cornelius)

    Recommendation

    a) Consider recommending the Draft Data Management Plan to be received and filed by the GSAs and released for public comment.

11. **2020 Conflict of Interest Code Biennial Review and Update** (County staff: Dick Tzou)
    Recommendation

    a) Review the Commission's Conflict of Interest Code (Commission Code) and authorize the Chair to submit the 2020 Local Agency Biennial Notice to the County Administrative Office, Clerk of the Board and check the "No amendment is required" box, or other based on the Commission's review.

12. **Future Items** (Chair)
    a) Workshop #3 - October 1, 2020
    b) Draft Chapter 7 – Sustainable Management Criteria and Chapter 8 - Monitoring Network
    c) Draft Surface Water/Groundwater Modeling Calibration Technical Memorandum

13. **Next Regular Meeting: December 9, 2020**

14. **Adjourn** (Chair)

Groundwater Sustainability Commission

for the San Luis Obispo Valley Groundwater Basin

NOTICE OF MEETING

CONFERENCE CALL/WEBINAR ONLY

Wednesday, September 9, 2020 at 3:30 p.m.

Important Notice Regarding COVID-19 Based on guidance from the California Department of Public Health and the California Governor's Officer, in order to minimize the spread of the COVID-19 virus, please note the following:

1. The meeting will only be held telephonically and via internet via the number and website link information provided on the agenda. After each item is presented, Commission Members will have the opportunity to ask questions. Participants on the phone will then be provided an opportunity to speak for 3 minutes as public comment prior to Commission deliberations and/or actions or moving on to the next item. The chat function on the webinar may also be used to submit comments and ask questions and will be verbalized by staff during the public comment period for each item. How to use the chat function will be demonstrated at the beginning of the meeting.

2. The Commission's agenda and staff reports are available at the following website: https://www.slowaterbasin.com

3. If you choose not to participate in the meeting and wish to make a written comment on any matter within the Commission's subject matter jurisdiction, regardless of whether it is on the agenda for the Commission's consideration or action, please submit your comment via email or U.S. Mail by 5:00 p.m. on the Tuesday prior to the Committee meeting. Please submit your comment to Dick Tzou at dtzou@co.slo.ca.us. Your comment will be placed into the administrative record of the meeting.

   Mailing Address:
   County of San Luis Obispo Department of Public Works
   Attn: Dick Tzou
   County Government Center, Room 206
   San Luis Obispo, CA 93408

4. If you choose not to participate in the meeting and wish to submit verbal comment, please call (805) 781-5252 and ask for Dick Tzou. If leaving a message, state and spell your name, mention the agenda item number you are calling about and leave your comment. The verbal comments must be received by no later than 9:00 a.m. on the morning of the noticed meeting and will be limited to 3 minutes. Every effort will be made to include your comment into the record, but some comments may not be included due to time limitations.

NOTE: The Groundwater Sustainability Commission reserves the right to limit each speaker to three (3) minutes per subject or topic. In compliance with the Americans with Disabilities Act and Executive Order N-29-20, all possible accommodations will be made for individuals with disabilities, so they may participate in the meeting. Persons who require accommodation for any audio, visual or other disability in order to participate in the meeting of the GSC are encouraged to request such accommodation 48 hours in advance of the meeting from Joey Steil at (805) 781-5252.

Groundwater Sustainability Commission
Regular Meeting Minutes (DRAFT)
July 8th , 2020

The following members or alternates were present:

Bob Schiebelhut, Chair, EVGMWC
Mark Zimmer, Vice Chair, GSWC
Bruce Gibson, Alternate Member, County of San Luis Obispo
Dennis Fernandez, Member, ERMWC/VRMWC
Andy Pease, Member, City of San Luis Obispo

<table>
<tr><td>1. Call to Order

2. Roll Call

3. Pledge of Allegiance</td><td>Chair Schiebelhut: calls the meeting to order at 3:31 PM

City Staff, Mychal Boerman: calls roll

Chair Schiebelhut: leads the Pledge of Allegiance.</td></tr>
<tr><td>4. Public Comment – Items not on Agenda</td><td>Chair Schiebelhut: opens the floor for public comment.

Steph Wald and Hallie Richard: present on an upcoming grant opportunity to help facilitate and coordinate watershed projects within the SLO Basin with the GSAs.</td></tr>
<tr><td>5. Approval of Meeting Minutes
a) March 11, 2020</td><td>Chair Schiebelhut: opens discussion for Agenda Item 5 - Approval of Meeting Minutes for the March 11, 2020 Groundwater Sustainability Commission Meeting and asks for comments from the Commission; there are none.

Motion By: Member Schiebelhut
Second By: Member Pease
Motion: The Commission moves to approve the March 11, 2020 Meeting minutes.

<table>
<tr><th>Members</th><th>Ayes</th><th>Noes</th><th>Abstain</th><th>Recuse</th></tr>
<tr><td>Bob Schiebelhut (Chair)</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Mark Zimmer (Vice Chair)</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Bruce Gibson (Alternate Member)</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Andy Pease (Member)</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Dennis Fernandez (Member)</td><td>X</td><td></td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>6. Project Status Updates</td><td>City & County Staff: Mychal Boerman and Dick Tzou give a project status update.

Meeting materials and audio for this item can be accessed by visiting:
https://www.slowaterbasin.com/resources

<u>Discussion Summary</u>
• Overview of the June 10, 2020, virtual Public Workshop #2: Groundwater and Management Vision
• Public Comment Period for Draft Chapter 5 closed on May 31, 2020</td></tr>
</table>

- Public Comment period for Draft Surface Water/ Groundwater Modeling Approach Technical Memorandum closed on June 15, 2020
- GSP Draft Chapter 6 is now available for public review – the public comment period will remain open until September 30th, 2020

Chair Schiebelhut: opens the floor for public comment; there are none.

7. Draft GSP Chapters 6: Water Budget for Review and Comment

WSC consultant, Spencer Harris, presents on GSP Draft Chapter 6: Water Budget.

Meeting materials and audio for this item can be accessed by visiting: https://www.slowaterbasin.com/resources

The below Draft Chapters can be accessed by visiting: https://www.slowaterbasin.com/review-documents

- *GSP Draft Chapter 6 - Groundwater Budget*

Discussion Summary

- Toby Moore, Golden State Water, comments on the water use outside of the service area when looking over the Water Budget Subarea.

Motion By: Chair Schiebelhut
Second By: Member Pease
Motion: The Commission recommends that each GSA receive and file Draft GSP Chapter 6 as presented and release for public comment.

Members	Ayes	Noes	Abstain	Recuse
Bob Schiebelhut (Chair)	X			
Mark Zimmer (Vice Chair)	X			
Bruce Gibson (Alternate Member)	X			
Andy Pease (Member)	X			
Dennis Fernandez (Member)	X			

8. Stakeholder Workshop Perceptions Summary: Vision for a Sustainable SLO Basin

WSC consultant, Tiffany Meyer and Michael Cruikshank:

Meeting materials and audio for this item can be accessed by visiting: https://www.slowaterbasin.com/resources

Discussion Summary:

- The consultant team provided a presentation on key takeaways from the June 10th Public Workshop, including the *5 Guiding Principles for informing the SLO Basin GSP*, and recommended that the Commission allow for additional public comment on these principles.

Motion By: Chair Schiebelhut
Second By: Member Pease
Motion: The Commission recommends that the 5 Guiding Principles for Informing the SLO Basin GSP document be made available for additional public comment.

Members	Ayes	Noes	Abstain	Recuse
Bob Schiebelhut (Chair)	X			
Mark Zimmer (Vice Chair)	X			
Bruce Gibson (Alternate Member)	X			
Andy Pease (Member)	X			
Dennis Fernandez (Member)	X			

9. A Preview of What's Next?

WSC consultant, Tiffany Meyer and Michael Cruikshank:

Meeting materials and audio for this item can be accessed by visiting:
https://www.slowaterbasin.com/resources
https://www.slowaterbasin.com/workshops

Discussion Summary:

- Stakeholder Workshop #3 on Sustainable Goal Setting will take place virtually on August 5, 2020 at 3:00 PM (*postponed*)
- Quarterly Newsletter Update Vol. 4 coming August 2020

10. Future Items

Chair Schiebelhut:

- Sustainable Management Criteria
- Draft Surface Water/ Groundwater Modeling Calibration Technical Memorandum
- Data Management Plan and Technical Memorandum

11. Next Regular Meeting

Wednesday, September 9, 2020 at 3:30 p.m.
Online meeting – see slowaterbasin.com for meeting details

12. Adjourn

Motion By: Chair Schiebelhut
Second By: Alternate Member Gibson
Motion: The Commission moves to adjourn the meeting at 5:14 PM

Members	Ayes	Noes	Abstain	Recuse
Bob Schiebelhut (Chair)	X			
Mark Zimmer (Vice Chair)	X			
Bruce Gibson (Alternate Member)	X			
Andy Pease (Member)	X			
Dennis Fernandez (Member)	X			

DRAFTED BY: City Staff, Hayley Sabatini

GROUNDWATER SUSTAINABILITY COMMISSION
for the San Luis Obispo Valley Groundwater Basin
September 9, 2020

Agenda Item 6 – Project Status Update
(Presentation Item)

Prepared By
Mychal Boerman and Dick Tzou, City and County of San Luis Obispo

Discussion
The purpose of this item is to provide a status update on the GSP project. A brief overview on the GSA governance structure will be presented. Starting in the March 2020 GSC meeting moving forward, a quarterly progress update on the stakeholder engagement process will be presented following a brief presentation of the GSA governance structure. A set of metrics have been developed by the Consultant Team to quantify the effectiveness of the stakeholder outreach program. The metrics consist of a set of measurable statistics on the various stakeholder engagement efforts such as attendance level of stakeholder participation, project website performance, number of subscribers on the stakeholder list, and extent of stakeholder outreach touch points. The current results to date (June 2020) for the metrics are included in the attached SLO Basin GSP Quarterly Progress Report on pages 6 and 7. Results in August 2020 indicated that there are about **426** subscribers to the email list, which has a slight increase of about **2%** in membership since June 2020. The average GSC meeting attendance is about **30** people and over **75** interested parties attended the public Workshop#2 in June 2020.

It is anticipated that the County Board of Supervisors will receive and file the draft GSP Chapter 6 - Water Budget on September 22, 2020. The comment periods for draft GSP Chapter 6 closes September 30, 2020 and all comments received are published online and may be viewed at: *https://www.slowaterbasin.com/review-documents.* Public or GSA comments received during each draft GSP chapter/section's comment period will be considered when sections are compiled into a complete public draft GSP document, slated for further public review in summer of 2021.

Due to the passing of Supervisor Adam Hill, the GSC member seat for the County of San Luis Obispo is currently vacant. His replacement for the member seat will be appointed by the County Board of Supervisor at a later date. In the interim, GSC Alternate, Supervisor Bruce Gibson will be representing the County of San Luis Obispo.

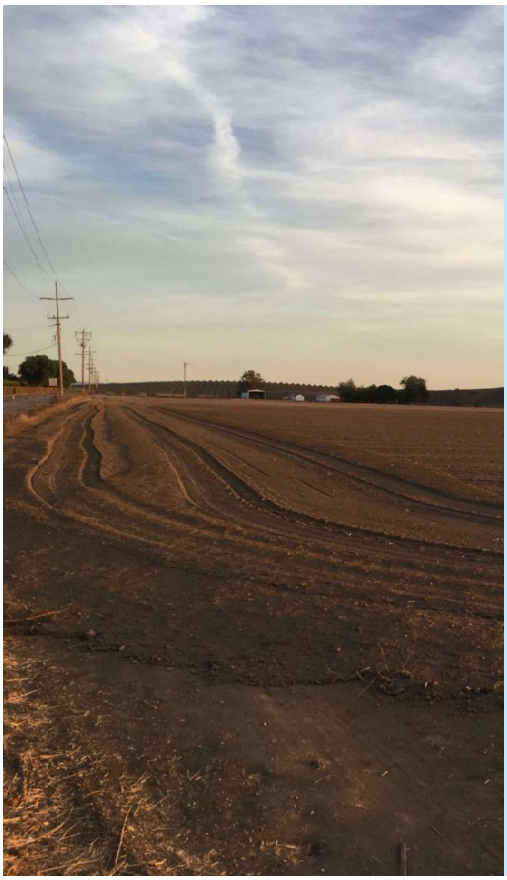
Highlights of what will be happening next in the GSP process will be presented as described in the Quarterly Newsletter #4.

Attachments:
1. Presentation
2. SLO Basin GSP Quarterly Progress Report
3. Quarterly Newsletter #4

Groundwater Sustainability Commission Meeting

SEPTEMBER 9, 2020

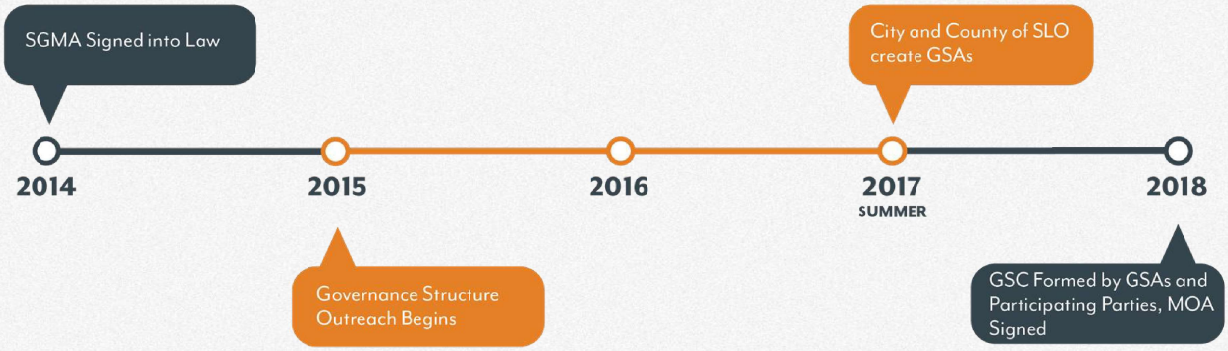
PREPARED BY WATER SYSTEMS CONSULTING



PROJECT STATUS UPDATE

Mychal Boerman and Dick Tzou, City and County of San Luis Obispo

GOVERNANCE TIMELINE



GROUNDWATER SUSTAINABILITY COMMISSION (GSC) ADVISORY GROUP

EDNA VALLEY GROWERS MWC

Bob Schiebelhut
Chair

George Donati
Alternate

EDNA RANCH AND VARIAN RANCH MWC

Dennis Fernandez
Member

James Lokey
Alternate

Golden State Water Company
A Subsidiary of American States Water Company

Mark Zimmer
Vice Chair

Toby Moore
Alternate

COUNTY OF SAN LUIS OBISPO

TBD
Member

Bruce Gibson
Alternate

And
Mem

Aar
Alte

ADVISES AND RECOMMENDS GSP

GROUNDWATER SUSTAINABIL
APPROVES AND IMPLEM

5 STEPS TO DEVELOPING THE GSP

Step 1. Establish Governance Structure

CHAPTERS 1-2

APR 2019 – OCT 2019

- APR 10, 2019 — GSC MTG
- JUN 12, 2019 — GSC MTG
- JUL 15, 2019 — PUBLIC COMMENT, C&E PLAN
- AUG 24, 2019 — SH WORKSHOP #1, GW AND SMG 101
- SEP 11, 2019 — GSC MTG
- SEP 11, 2019 — PUBLIC COMMENT CHAPTER 1-2, ADMIN INFO

Step 2. Document Basin Setting

CHAPTERS 3-6

OCT 2019 – JUL 2020

- DEC 11, 2019 — GSC MTG
- DEC 11, 2019 — PUBLIC COMMENT CHAPTER 3-4, BASIN SETTING
- MAR 11, 2020 — GSC MTG
- MAR 11, 2020 — PUBLIC COMMENT CHAPTER 5, GW CONDITIONS
- APR 6, 2020 — GSA WORK SESSION
- MAY 27, 2020 — GSA WORK SESSION
- JUN 10, 2020 — STAKEHOLDER WORKSHOP #2: WATER MANAGEMENT VISION
- JUL 8, 2020 — GSC MTG
- JUL 9, 2020 — PUBLIC COMMENT CHAPTER 6, WATER BUDGET

Step 3. Set Sustainability Goals

CHAPTERS 7-8

AUG 2020 – JAN 2021

- AUG 15, 2020 — PUBLIC COMMENT ON TECH MEMO
- SEP 9, 2020 — **GSC MTG**
- OCT 1, 2020 — **STAKEHOLDER WORKSHOP #3: SUSTAINABLE GOAL SETTING (3pm – 5pm)**
- DEC 9, 2020 — **GSC MTG**
- DEC 9, 2020 — **PUBLIC COMMENT CHAPTERS 7-8, SMCS AND MONITORING NETWORK**

WE ARE HERE

Step 4. Develop Plan to Sustainability

CHAPTERS 9-10

JAN 2021 – MAR 2021

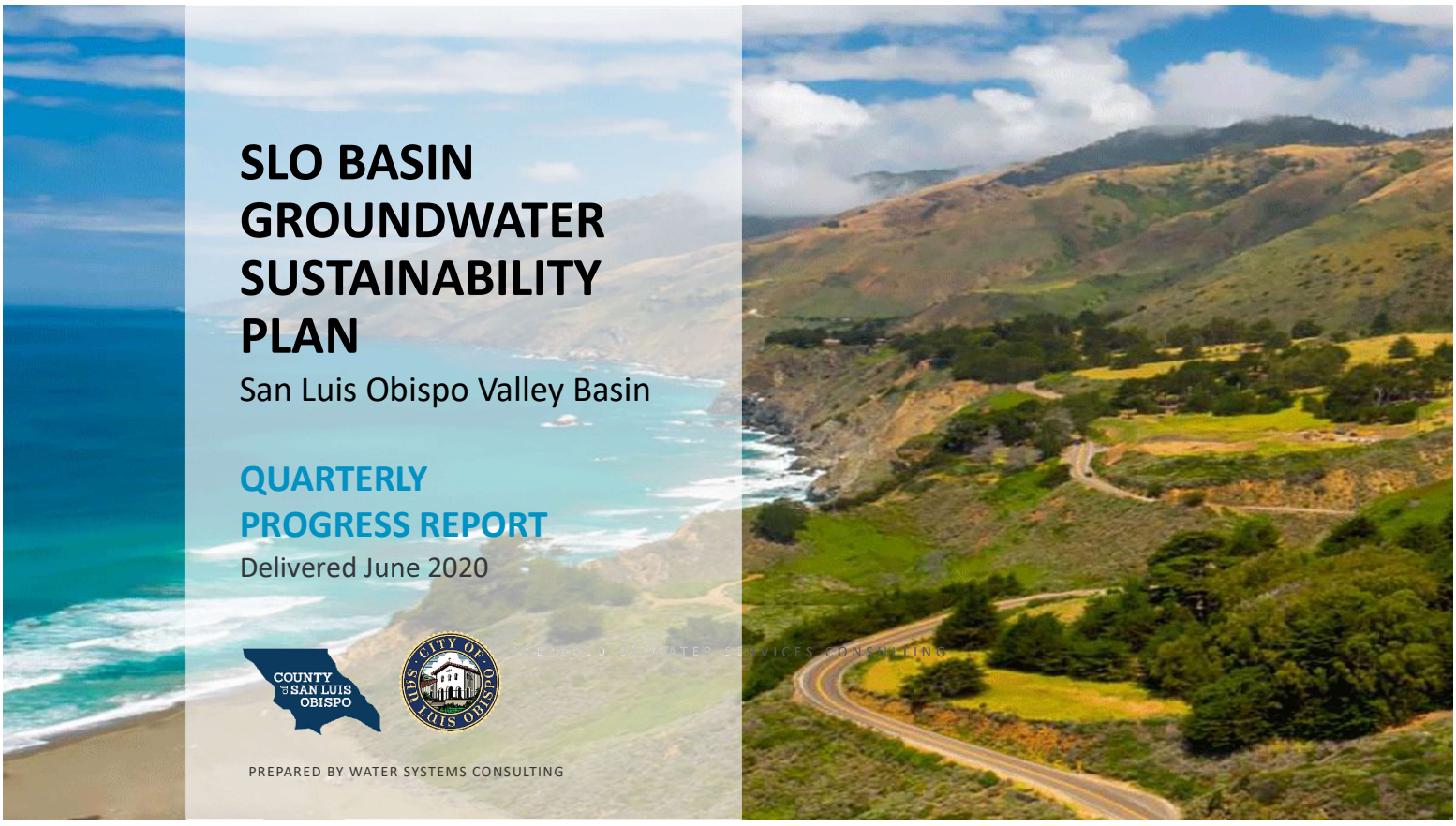
- JAN 6, 2021 — **STAKEHOLDER WORKSHOP #4: PROJECTS AND MANAGEMENT ACTIONS**
- JAN 13, 2021 — **GSA WORK SESSION**
- MAR 10, 2021 — **GSC MTG**
- MAR 11, 2021 — **PUBLIC COMMENT CHAPTER 9-10, PROJECTS AND MA's; IMPLEMENTATION PLAN**

Step 5. Adopt the Plan

FINISHED PLAN

APR 2021 – JAN 2022

- JUN 9, 2021 — **GSC MTG**
- JUN 10, 2021 — **PUBLIC COMMENT FULL PLAN**
- SEP 8, 2021 — **GSC MTG**
- NOV 2021 — **GSA MTG**



STAKEHOLDER ENGAGEMENT GOALS TO ACTUAL

GOALS

- Create an inclusive, transparent participation experience that builds public trust in the Groundwater Model and GSP and optimizes participation among all those impacted.
- Employ outreach methods that facilitate shared understanding of the importance of sustainable groundwater and its impact on stakeholders.
- Communicate "early and often," and actively identify and eliminate barriers to participation.
- Develop a cost-effective, stakeholder-informed GSP supported by best-in-class technical data.

JULY-SEPTEMBER 2020 ACTIVITIES

STAKEHOLDER OUTREACH TOUCHPOINTS

2 QUARTERLY GSC MEETINGS HELD **July 8, 2020 & September 9, 2020**

0 STAKEHOLDER WORKSHOP HELD **Moved to October 2020**

1 QUARTERLY NEWSLETTERS DISTRIBUTED **August 2020**

6 EMAIL BULLETINS DISTRIBUTED TO INTERESTED PARTIES LIST **July, August, September**

14 EVENT PUBLIC NOTICES POSTED **Facebook, Instagram, Email, Mail, Press Release**

11 STAKEHOLDER ORGS RECEIVED DIRECT OUTREACH

STAKEHOLDER LIST

426 SUBSCRIBERS TO EMAIL LIST

+2% INCREASE IN SUBSCRIBERS SINCE JUNE 2020

8/10 STAKEHOLDER GROUPS REPRESENTED ON LIST (details on P.4)

STAKEHOLDER PARTICIPATION

30 AVERAGE GSC MTG ATTENDANCE

75 STAKEHOLDER WORKSHOP #2 ATTENDANCE

0 PUBLIC COMMENTS RECEIVED JUL-SEP

PROJECT WEBSITE PERFORMANCE — SLOWaterBasin.com

1.1k TOTAL SESSIONS SINCE LAUNCH

50% AVERAGE VISITOR BOUNCE RATE

00:02:52 AVERAGE SESSION DURACTION

2.21 AVERAGE PAGES PER SESSION

STAKEHOLDERS / REPRESENTATION AND PARTICIPATION

GENERAL PUBLIC, OTHER OR UNKNOWN

46% ON EMAIL LIST

TARGETS:

Citizen groups, community leaders

NOTE: All subscribers with a personal email address fit into this category

CONSULTANTS

20% ON EMAIL LIST

TARGETS:

Project team members, consultants from neighboring basins

LAND USE

7% ON EMAIL LIST

TARGETS:

GSC Agencies (City of San Luis Obispo Mayor and City Council; County of San Luis Obispo Dept. of Planning and Building staff); **US Forest Service; Land Use Commission**

PRIVATE, RURAL GW USERS

0% * ON EMAIL LIST

TARGETS:

Private pumpers, domestic users (townhome and mobile home communities, campgrounds, private home-owners)

AGRIC. WATER USERS

9% ON EMAIL LIST

TARGETS:

GSC Agencies (Golden State Water Company, Mutual Water Company); **water purveyors, Farm bureaus** (San Luis Obispo County Farm Bureau); **individual agric. landowners** (Cal Poly; A Lab)

URBAN / INDUSTRIAL USERS

0% * ON EMAIL LIST

TARGETS:

Commercial and industrial users

INTEGRATED WATER MANAGEMENT

4% ON EMAIL LIST

TARGETS:

SLO County Flood and Water Conservation District, IRWMG Group; Water Resource Advisory Committee; Zone 9 Flood Control District; DWR

ENVIRO. AND CONSERV. ORGS

7% ON EMAIL LIST

TARGETS:

Federal and state agencies; Enviro. Groups; Conservation groups; Resource conservation districts

ECONOMIC DEV.

3% ON EMAIL LIST

TARGETS:

SLO Economic Development Corp; Hourglass Project; wine association; Elected officials

HUMAN RIGHT TO WATER

1% ON EMAIL LIST

TARGETS:

Disadvantaged communities; Rural Community Assistance Corp

TRIBES

0% ** ON EMAIL LIST

TARGETS:

The Chumash people

* This segment is likely represented on our email list among those who did not self-identify an affiliation, which are listed within the "general public or unknown" category above.
** Though there are no Native American lands within the Basin, the County of SLO is in the process of contacting the Chumash people about the GSP development in a formal letter.

PROJECT ACTIVITY UPDATES

- Groundwater Sustainability Commission Member Vacancy for County of San Luis Obispo1
- Highlights of Quarterly Newsletter Update Vol. 4 — August 2020

Basin Developed, Goal Setting Begins

ABOUT THE PROJECT:
Three water sources —surface water, recycled water and groundwater—serve all of the needs within the San Luis Obispo Valley Basin (SLO Basin). The Sustainable Groundwater Management Act (SGMA), signals the first time in California's history that groundwater will be formally managed. As required by SGMA, the SLO Basin Groundwater Sustainability Agencies (GSAs) are developing a Groundwater Sustainability Plan (GSP) now through January 2022. The GSP will guide groundwater users on how to maintain sustainable groundwater levels in the future.

GSP DEVELOPMENT PROGRESS
Step 2: Document Basin Setting is nearing completion. Over the last several months the project team has documented the Basin's geology, groundwater levels and quality, water accounting and future land use plans. This information helps to predict future groundwater demand and inform how sustainable groundwater levels can be maintained in the future.

Key takeaways of the basin setting include:
- Groundwater levels have steadily declined in the Edna Valley since the 1990s, parallel to the growth of vineyard agriculture in the Valley.
- Groundwater levels within the San Luis Valley have remained fairly steady since the 1990s.
- A bedrock high creates a natural geological demarcation between the San Luis Valley and Edna Valley areas of the Basin.

Chapter 6: Water Budget is now open for public comment and will close September 30, 2020. In addition, the project team

ARTICLE CONTINUED ON PAGE 4

SLOWaterBasin.com — GET INVOLVED NOW

Groundwater Sustainability Commission (GSC) Meeting Summaries

Summary of March 11, 2020 GSC Meeting

The project team presented several updates to the Groundwater Sustainability Commission (GSC) on March 11, 2020 including a summary of Chapter 5 of the GSP, ***Groundwater Conditions.*** Chapter 5 documents the current and historical groundwater conditions of the SLO Basin and includes: groundwater elevation contour maps; estimates of groundwater in storage; groundwater quality distribution; history of land subsidence; as well as the identification of interconnected groundwater-surface water features and groundwater dependent ecosystems. In the meeting, the GSC recommended that Chapter 5 be received by the GSA and released for public comment. The chapter was opened for public comment on March 11, 2020 and closed on May 31, 2020. View Chapter 5 and submitted comments at: **SLOWaterBasin.com/review-documents.**

The project team also gave an overview of the process they'll use to develop a basin wide sustainability goal and corresponding monitoring network for the SLO Basin. The presentation included an overview of the sustainability indicators required by SGMA. Each representative monitoring well will identify a measurable objective and minimum threshold for each of the sustainability indicators. The sustainability indicators include: 1) chronic lowering of groundwater levels, 2) reduction of groundwater in storage, 3) land subsidence, 4) water quality degradation, and 5) interconnected surface water depletions.

The project team also defined key concepts associated with the Basin monitoring network, including: potential management areas, undesirable results, measurable objectives, minimum thresholds, interim milestones and representative monitoring sites. The team confirmed that the June stakeholder workshop as well as the July and September GSC Meetings would gather input to inform a draft of the basin wide Sustainability Goal.

The project team has been tasked with the development of an integrated groundwater/surface water flow model (GW/SW Model) for use in supporting the GSP development. The model will be used to estimate future groundwater levels in the basin, and to demonstrate the effects that various proposed projects and management actions will have on the goal of achieving sustainability by 2042. At the meeting, the project team provided an update on the progress of the GW/SW Model and the next steps in the model development, which will include model calibration and sensitivity analysis. The ***Technical Memo: Surface Water / Groundwater Modeling Approach*** opened for public comment following the GSC meeting and closed on June 15, 2020. View the Technical Memo and submitted comments at: **SLOWaterBasin.com/review-documents.**

Summary of July 8, 2020 GSC Meeting

Due to COVID-19, the June GSC Meeting was moved to July 8, 2020. At this meeting, the project team provided several updates to the GSC.

First, the project team gave a summary of GSP Chapter 6, ***Water Budget,*** which provides an accounting and assessment of the total annual volume of groundwater and surface water entering and leaving the SLO Basin for historical and current conditions. The water budgets for historical and current conditions are developed using an analytical approach. Chapter 6 estimates the preliminary sustainable yield and overdraft for future conditions under climate change and other proposed management actions for the Basin. A projected water budget will be included in this chapter at a later date utilizing the integrated computer flow model.

The GSC recommended that Chapter 6 be received by the GSA and released for public comment. The comment period opened on July 8, 2020 and closes September 30, 2020. View Chapter 6 and submitted comments at: **SLOWaterBasin.com/review-documents.**

The project team also shared the key takeaways from the June 10, 2020 stakeholder workshop: ***Groundwater Management Vision.*** The draft workshop summary was shared, which captures all stakeholder input collected within the workshop, and translates it into a set of ***5 Guiding Principles to inform the SLO Basin GSP.*** The GSC provided feedback on the ***5 Guiding Principles*** that will be incorporated into the final document. The draft ***Stakeholder Workshop Summary — Groundwater Management Vision*** was opened for public comment on July 1, 2020 and closed August 15, 2020. View the workshop summary at: **SLOWaterBasin.com/review-documents**. A snapshot of the summary is also listed on page 4 of this newsletter.

Finally, the project team gave a preview of the next set of GSP development actions and stakeholder engagement activities related to **Step 3: Set Sustainability Goals.** The ***5 Guiding Principles*** described above will be used to create a draft basin wide sustainability goal. This draft goal, along with a draft of preliminary monitoring network, will be presented at the next GSC Meeting on September 9, 2020.

The October 1, 2020 stakeholder workshop, ***Sustainable Goal Setting*** will give stakeholders the opportunity to further inform the sustainability goals and monitoring network within an interactive format.

View GSC Meeting recordings and agenda packets at: **SLOWaterBasin.com/resources**

Opportunities to Participate

To meet the required completion deadline of January 31, 2022, the GSP will be developed in phases through the end of 2021. During this period, there will be ample opportunity for the public to participate in the plan development process, including participation in quarterly public GSC meetings, interactive workshops and review and comment periods for each GSP chapter/section.

VIEW SUBMITTED COMMENTS

The commenting period for the documents below is now closed. To view all public comments submitted for these documents go to **SLOWaterBasin.com/ review-documents** and scroll down to "Documents Closed for Public Comment."

- **Communications and Engagement Plan**
- **Chapters 1-2: Administrative Information**
- **Chapter 3-4: Description of Plan Area and Basin Setting**
- **Chapter 5: Groundwater Conditions**
- **Technical Memo: Surface Water/Groundwater Modeling Approach**

UPCOMING OPPORTUNITIES

September GSC Meeting

SEP. 9, 2020 • 3:30pm-5:30pm • Go to Meeting

All stakeholders are encouraged to join the next virtual GSC Meeting. Key topics include: A review of the draft basin wide sustainability goal; details of the proposed monitoring network and sustainability indicators; an update of the Data Management System; and other topics related to sustainable goal setting.
REGISTER: To access the Go to Meeting details, go to SLOWaterBasin.com, click on ***Calendar*** and go to the September 9, 2020 calendar details.

Chapter 6: Water Budget, Public Comment Period

Closes SEP. 30, 2020

Chapter 6 of the GSP, ***Water Budget,*** describes the historical and current groundwater budget for the SLO Basin including water coming in (inflows), water pumping and discharging (outflows), and changes in storage. It will also quantify the current overdraft in the Basin and estimate the Basin's sustainable yield. To review the chapter or submit comments go to **SLOWaterBasin.com/review-documents.**

Stakeholder Workshop #3: Sustainable Goal Setting

OCT. 1, 2020 • 3:00pm-5:00pm • Zoom Meetings

Join this workshop to help refine the Basin sustainability goals and monitoring network. Input gathered within this workshop will help ensure that the goals outlined in the GSP align to the values and needs of Basin stakeholders while still meeting the requirements of SMGA.
WHO SHOULD ATTEND: Stakeholders interested in or affected by the management of groundwater in the SLO Basin.
REGISTRATION IS REQUIRED. Learn more and register at SLOWaterBasin.com/workshops.

FUTURE GSP CHAPTER/ SECTION REVIEW OPPORTUNITIES

Chapters 7-8: Sustainable Management Criteria and Monitoring Network

Chapters 7 and 8 identify the undesirable results for each of the five sustainability indicators required by SGMA and relevant to the SLO Basin, including: further groundwater level decline; reduction in groundwater storage; depletion of interconnected surface water bodies; water quality degradation; and land subsidence.

GSC MEETINGS: 09/09/2020; 12/09/2020

WORKSHOP: 10/2020

REVIEW AND COMMENT: Released upon GSC approval at the 12/09/2020 GSC meeting; comment period is anticipated to close 30 days or more following the GSC meeting.

Chapters 9-10: Projects, Management Actions and Implementation Plan

Chapters 9 and 10 will identify projects, management actions, and the implementation plan that will bring groundwater use into balance and meet the sustainable management criteria identified in Chapters 7 and 8.

GSC MEETINGS: 12/09/2020; 03/10/2021

WORKSHOP: 02/2021

REVIEW AND COMMENT: Released upon GSC approval at the 03/10/2021 GSC meeting; comment period is anticipated to close 30 days or more following the GSC meeting.

SLO BASIN GROUNDWATER SUSTAINABILITY PLAN

San Luis Obispo Valley Basin

QUARTERLY PROGRESS REPORT

Delivered August 2020

PREPARED BY WATER SERVICES CONSULTING

5 STEPS TO DEVELOPING THE GSP

Step 1. Establish Governance Structure

CHAPTERS 1-2

APR 2019 – OCT 2019

- APR 10, 2019 — **GSC MTG**
- JUN 12, 2019 — **GSC MTG**
- JUL 15, 2019 — **PUBLIC COMMENT, C&E PLAN**
- AUG 24, 2019 — **SH WORKSHOP #1, GW AND SMG 101**
- SEP 11, 2019 — **GSC MTG**
- SEP 11, 2019 — **PUBLIC COMMENT CHAPTER 1-2, ADMIN INFO**

Step 2. Document Basin Setting

CHAPTERS 3-6

OCT 2019 – JUL 2020

- DEC 11, 2019 — **GSC MTG**
- DEC 11, 2019 — **PUBLIC COMMENT CHAPTER 3-4, BASIN SETTING**
- MAR 11, 2020 — **GSC MTG**
- MAR 11, 2020 — **PUBLIC COMMENT CHAPTER 5, GW CONDITIONS**
- APR 6, 2020 — **GSA WORK SESSION**
- MAY 27, 2020 — **GSA WORK SESSION**
- JUN 10, 2020 — **STAKEHOLDER WORKSHOP #2: WATER MANAGEMENT VISION**
- JUL 8, 2020 — **GSC MTG**
- JUL 9, 2020 — **PUBLIC COMMENT CHAPTER 6, WATER BUDGET**

Step 3. Set Sustainability Goals

CHAPTERS 7-8

AUG 2020 – JAN 2021

- AUG 15, 2020 — PUBLIC COMMENT ON TECH MEMO
- SEP 9, 2020 — **GSC MTG**
- OCT 1, 2020 — **STAKEHOLDER WORKSHOP #3: SUSTAINABLE GOAL SETTING (3pm – 5pm)**
- DEC 9, 2020 — **GSC MTG**
- DEC 9, 2020 — **PUBLIC COMMENT CHAPTERS 7-8, SMCS AND MONITORING NETWORK**

WE ARE HERE

Step 4. Develop Plan to Sustainability

CHAPTERS 9-10

JAN 2021 – MAR 2021

- JAN 6, 2021 — **STAKEHOLDER WORKSHOP #4: PROJECTS AND MANAGEMENT ACTIONS**
- JAN 13, 2021 — **GSA WORK SESSION**
- MAR 10, 2021 — **GSC MTG**
- MAR 11, 2021 — **PUBLIC COMMENT CHAPTER 9-10, PROJECTS AND MA's; IMPLEMENTATION PLAN**

Step 5. Adopt the Plan

FINISHED PLAN

APR 2021 – JAN 2022

- JUN 9, 2021 — **GSC MTG**
- JUN 10, 2021 — **PUBLIC COMMENT FULL PLAN**
- SEP 8, 2021 — **GSC MTG**
- NOV 2021 — **GSA MTG**

GSP DEVELOPMENT TIMELINE

Lays the foundation of understanding SLO Basin.

Develop sustainability vision and goals, minimum thresholds for undesirable results, and objectives for the sustainability indicators.

Develop projects and management actions that lead to sustainable groundwater management.

GSP approved by January 31, 2022

SGMA DEADLINES

GSP GOVERNANCE

GROUNDWATER SUSTAINABILITY COMMISSION (GSC)
ADVISORY GROUP

EDNA VALLEY GROWERS MWC

Bob Schiebelhut
Chair

George Donati
Alternate

EDNA RANCH AND VARIAN RANCH MWC

Dennis Fernandez
Member

James Lokey
Alternate

Golden State Water Company
A Subsidiary of American States Water Company

Mark Zimmer
Vice Chair

Toby Moore
Alternate

COUNTY OF SAN LUIS OBISPO

TBD
Member

Bruce Gibson
Alternate

CITY OF SAN LUIS OBISPO

Andy Pease
Member

Aaron Floyd
Alternate

ADVISES AND RECOMMENDS GSP

GROUNDWATER SUSTAINABILITY AGENCIES
APPROVES AND IMPLEMENTS GSP

STAKEHOLDER ENGAGEMENT
GOALS TO ACTUAL

GOALS

- Create an inclusive, transparent participation experience that builds public trust in the Groundwater Model and GSP and optimizes participation among all those impacted.
- Employ outreach methods that facilitate shared understanding of the importance of sustainable groundwater and its impact on stakeholders.
- Communicate “early and often,” and actively identify and eliminate barriers to participation.
- Develop a cost-effective, stakeholder-informed GSP supported by best-in-class technical data.

JULY-SEPTEMBER 2020 ACTIVITIES

STAKEHOLDER OUTREACH TOUCHPOINTS

2 QUARTERLY GSC MEETINGS HELD **July 8, 2020 & September 9, 2020**

0 STAKEHOLDER WORKSHOP HELD **Moved to October 2020**

1 QUARTERLY NEWSLETTERS DISTRIBUTED **August 2020**

6 EMAIL BULLETINS DISTRIBUTED TO INTERESTED PARTIES LIST **July, August, September**

14 EVENT PUBLIC NOTICES POSTED **Facebook, Instagram, Email, Mail, Press Release**

11 STAKEHOLDER ORGS RECEIVED DIRECT OUTREACH

STAKEHOLDER LIST

426 SUBSCRIBERS TO EMAIL LIST

+2% INCREASE IN SUBSCRIBERS SINCE JUNE 2020

8/10 STAKEHOLDER GROUPS REPRESENTED ON LIST (details on P.4)

STAKEHOLDER PARTICIPATION

30 AVERAGE GSC MTG ATTENDANCE

75 STAKEHOLDER WORKSHOP #2 ATTENDANCE

0 PUBLIC COMMENTS RECEIVED JUL-SEP

PROJECT WEBSITE PERFORMANCE — SLOWaterBasin.com

1.1k TOTAL SESSIONS SINCE LAUNCH

50% AVERAGE VISITOR BOUNCE RATE

00:02:52 AVERAGE SESSION DURACTION

2.21 AVERAGE PAGES PER SESSION

STAKEHOLDERS / REPRESENTATION AND PARTICIPATION

GENERAL PUBLIC, OTHER OR UNKNOWN

46%
ON EMAIL LIST

TARGETS:

Citizen groups, community leaders

NOTE: All subscribers with a personal email address fit into this category

CONSULTANTS

20%
ON EMAIL LIST

TARGETS:

Project team members, consultants from neighboring basins

LAND USE

7%
ON EMAIL LIST

TARGETS:

GSC Agencies (City of San Luis Obispo Mayor and City Council; County of San Luis Obispo Dept. of Planning and Building staff); **US Forest Service; Land Use Commission**

PRIVATE, RURAL GW USERS

0% *
ON EMAIL LIST

TARGETS:

Private pumpers, domestic users (townhome and mobile home communities, campgrounds, private home-owners)

AGRIC. WATER USERS

9%
ON EMAIL LIST

TARGETS:

GSC Agencies (Golden State Water Company, Mutual Water Company); **water purveyors, Farm bureaus** (San Luis Obispo County Farm Bureau); **individual agric. landowners** (Cal Poly; A Lab)

URBAN / INDUSTRIAL USERS

0% *
ON EMAIL LIST

TARGETS:

Commercial and industrial users

INTEGRATED WATER MANAGEMENT

4%
ON EMAIL LIST

TARGETS:

SLO County Flood and Water Conservation District, IRWMG Group; Water Resource Advisory Committee; Zone 9 Flood Control District; DWR

ENVIRO. AND CONSERV. ORGS

7%
ON EMAIL LIST

TARGETS:

Federal and state agencies; Enviro. Groups; Conservation groups; Resource conservation districts

ECONOMIC DEV.

3%
ON EMAIL LIST

TARGETS:

SLO Economic Development Corp; Hourglass Project; wine association; Elected officials

HUMAN RIGHT TO WATER

1%
ON EMAIL LIST

TARGETS:

Disadvantaged communities; Rural Community Assistance Corp

TRIBES

0% **
ON EMAIL LIST

TARGETS:

The Chumash people

*** This segment is likely represented on our email list among those who did not self-identify an affiliation, which are listed within the "general public or unknown" category above.**
**** Though there are no Native American lands within the Basin, the County of SLO is in the process of contacting the Chumash people about the GSP development in a formal letter.**

KEY ACCOMPLISHMENTS / JUL-SEPT 2020

CATEGORY	ACCOMPLISHMENTS
Stakeholder Outreach and Engagement	**OUTREACH** • **Email Bulletins sent to interested parties list** — Jul., Aug., Sep. 2020 to promote workshop and scheduling changes, GSC meeting, and public comment periods. • Email **Bulletins** — four notices sent to Mutual Water Company customers and stakeholder organizations. • **Partner outreach** — Outreach by GSC member agencies to 11 stakeholder organizations in Jul., Aug., Sep. 2020 to encourage participation by priority segments • **Social media** —Seven public meeting and workshop notices were posted to the City's Facebook and Instagram channels • **Press Releases** — One to announce public workshop and GSC special meeting information **PUBLIC COMMENT PERIOD** • **Stakeholder Workshop #2 Summary: Groundwater Management Vision** • opened Jul. 15, 2020 and closed Aug. 15, 2020
GSP Development	• **Chapter 6: Groundwater Budget** — draft presented at Jul. 8, 2020 GSC Meeting; public comment period opened Jul. 8, 2020 and closes Sep. 30, 2020 • Technical Memo: Data Management — public comment period opens Sep. 9, 2020 and closes Oct. 31, 2020

WHAT'S AHEAD / OCT-DEC 2020

CATEGORY	ACCOMPLISHMENTS
Stakeholder Outreach and Engagement	**PUBLIC OUTREACH** • **Email Bulletins to interested parties list** — Oct., Nov., Dec. 2020 for workshop promotion, post-workshop summaries and recording, GSC meeting promotion, and public commenting periods • **Partner outreach** — Outreach by GSC member agencies in Oct., Nov., Dec. 2020 to encourage participation by priority segments **WORKSHOPS** • **Stakeholder Workshop #3: Getting to Sustainability** • Oct. 1, 2020 **PUBLIC COMMENT PERIOD** • **Stakeholder Workshop #3 Summary: Sustainable Goal Setting** • Following Oct. 2020 workshop • **Chapters 7 & 8: Sustainable Management Criteria and Monitoring Network** — public comment period opens December 9, 2020 **PUBLIC MEETINGS** • GSC Meeting • Dec. 9, 2020
GSP Development	• **Chapters 7 & 8: Sustainable Management Criteria and Monitoring Network** — Presented at September 9, 2020 and December 9, 2020 GSC Meetings • Technical Memo: Integrated Model Calibration

SECURING SUSTAINABLE GROUNDWATER in the SLO Basin

A QUARTERLY UPDATE OF THE SLO BASIN GROUNDWATER SUSTAINABILITY PLAN DEVELOPMENT
VOLUME 4 | AUGUST 2020

With an Understanding of the SLO Basin Developed, Goal Setting Begins

ABOUT THE PROJECT:
Three water sources —surface water, recycled water and groundwater—serve all of the needs within the San Luis Obispo Valley Basin (SLO Basin). The Sustainable Groundwater Management Act (SGMA), signals the first time in California's history that groundwater will be formally managed. As required by SGMA, the SLO Basin Groundwater Sustainability Agencies (GSAs) are developing a Groundwater Sustainability Plan (GSP) now through January 2022. The GSP will guide groundwater users on how to maintain sustainable groundwater levels in the future.

GSP DEVELOPMENT PROGRESS
Step 2: Document Basin Setting is nearing completion. Over the last several months the project team has documented the Basin's geology, groundwater levels and quality, water accounting and future land use plans. This information helps to predict future groundwater demand and inform how sustainable groundwater levels can be maintained in the future.

Key takeaways of the basin setting include:
- Groundwater levels have steadily declined in the Edna Valley since the 1990s, parallel to the growth of vineyard agriculture in the Valley.
- Groundwater levels within the San Luis Valley have remained fairly steady since the 1990s.
- A bedrock high creates a natural geological demarcation between the San Luis Valley and Edna Valley areas of the Basin.

Chapter 6: Water Budget is now open for public comment and will close September 30, 2020. In addition, the project team

ARTICLE CONTINUED ON PAGE 4

In this issue

5 Steps to Sustainable Groundwater in the SLO Basin

Step #1 — ESTABLISH GOVERNANCE STRUCTURE
CHAPTERS 1-2
The details of how the plan will be managed and enforced by the GSAs.

Step #2 — DOCUMENT BASIN SETTING
CHAPTERS 3-6
Profile the Basin geology, groundwater use, and all factors affecting future demand and management.

Step #3 — SET SUSTAINABILITY GOALS
CHAPTERS 7-8
Set measurable goals per SGMA requirements and the systems/networks to monitor progress.

Step #4 — DEVELOP PLAN FOR SUSTAINABILITY
CHAPTERS 9-10
Identify the projects and management actions to be taken to meet the sustainability goals.

Step #5 — ADOPT THE PLAN
FINISHED PLAN
The SLO Basin GSAs vote to adopt the Groundwater Sustainability plan.

2019 | 2020 | WE ARE HERE | 2021 | JAN. 2022

Groundwater Sustainability Commission (GSC) Meeting Summaries

Summary of March 11, 2020 GSC Meeting

The project team presented several updates to the Groundwater Sustainability Commission (GSC) on March 11, 2020 including a summary of Chapter 5 of the GSP, ***Groundwater Conditions.*** Chapter 5 documents the current and historical groundwater conditions of the SLO Basin and includes: groundwater elevation contour maps; estimates of groundwater in storage; groundwater quality distribution; history of land subsidence; as well as the identification of interconnected groundwater-surface water features and groundwater dependent ecosystems. In the meeting, the GSC recommended that Chapter 5 be received by the GSA and released for public comment. The chapter was opened for public comment on March 11, 2020 and closed on May 31, 2020. View Chapter 5 and submitted comments at: **SLOWaterBasin.com/review-documents.**

The project team also gave an overview of the process they'll use to develop a basin wide sustainability goal and corresponding monitoring network for the SLO Basin. The presentation included an overview of the sustainability indicators required by SGMA. Each representative monitoring well will identify a measurable objective and minimum threshold for each of the sustainability indicators. The sustainability indicators include: 1) chronic lowering of groundwater levels, 2) reduction of groundwater in storage, 3) land subsidence, 4) water quality degradation, and 5) interconnected surface water depletions.

The project team also defined key concepts associated with the Basin monitoring network, including: potential management areas, undesirable results, measurable objectives, minimum thresholds, interim milestones and representative monitoring sites. The team confirmed that the June stakeholder workshop as well as the July and September GSC Meetings would gather input to inform a draft of the basin wide Sustainability Goal.

The project team has been tasked with the development of an integrated groundwater/surface water flow model (GW/SW Model) for use in supporting the GSP development. The model will be used to estimate future groundwater levels in the basin, and to demonstrate the effects that various proposed projects and management actions will have on the goal of achieving sustainability by 2042. At the meeting, the project team provided an update on the progress of the GW/SW Model and the next steps in the model development, which will include model calibration and sensitivity analysis. The ***Technical Memo: Surface Water / Groundwater Modeling Approach*** opened for public comment following the GSC meeting and closed on June 15, 2020. View the Technical Memo and submitted comments at: **SLOWaterBasin.com/review-documents.**

Summary of July 8, 2020 GSC Meeting

Due to COVID-19, the June GSC Meeting was moved to July 8, 2020. At this meeting, the project team provided several updates to the GSC.

First, the project team gave a summary of GSP Chapter 6, ***Water Budget,*** which provides an accounting and assessment of the total annual volume of groundwater and surface water entering and leaving the SLO Basin for historical and current conditions. The water budgets for historical and current conditions are developed using an analytical approach. Chapter 6 estimates the preliminary sustainable yield and overdraft for future conditions under climate change and other proposed management actions for the Basin. A projected water budget will be included in this chapter at a later date utilizing the integrated computer flow model.

The GSC recommended that Chapter 6 be received by the GSA and released for public comment. The comment period opened on July 8, 2020 and closes September 30, 2020. View Chapter 6 and submitted comments at: **SLOWaterBasin.com/review-documents.**

The project team also shared the key takeaways from the June 10, 2020 stakeholder workshop: ***Groundwater Management Vision.*** The draft workshop summary was shared, which captures all stakeholder input collected within the workshop, and translates it into a set of ***5 Guiding Principles to inform the SLO Basin GSP.*** The GSC provided feedback on the ***5 Guiding Principles*** that will be incorporated into the final document. The draft ***Stakeholder Workshop Summary — Groundwater Management Vision*** was opened for public comment on July 1, 2020 and closed August 15, 2020. View the workshop summary at: **SLOWaterBasin.com/review-documents.** A snapshot of the summary is also listed on page 4 of this newsletter.

Finally, the project team gave a preview of the next set of GSP development actions and stakeholder engagement activities related to **Step 3: Set Sustainability Goals.** The ***5 Guiding Principles*** described above will be used to create a draft basin wide sustainability goal. This draft goal, along with a draft of preliminary monitoring network, will be presented at the next GSC Meeting on September 9, 2020.

The October 1, 2020 stakeholder workshop, ***Sustainable Goal Setting*** will give stakeholders the opportunity to further inform the sustainability goals and monitoring network within an interactive format.

View GSC Meeting recordings and agenda packets at: **SLOWaterBasin.com/resources**

Opportunities to Participate

To meet the required completion deadline of January 31, 2022, the GSP will be developed in phases through the end of 2021. During this period, there will be ample opportunity for the public to participate in the plan development process, including participation in quarterly public GSC meetings, interactive workshops and review and comment periods for each GSP chapter/section.

VIEW SUBMITTED COMMENTS

The commenting period for the documents below is now closed. To view all public comments submitted for these documents go to SLOWaterBasin.com/ review-documents and scroll down to "Documents Closed for Public Comment."

- **Communications and Engagement Plan**
- **Chapters 1-2: Administrative Information**
- **Chapter 3-4: Description of Plan Area and Basin Setting**
- **Chapter 5: Groundwater Conditions**
- **Technical Memo: Surface Water/Groundwater Modeling Approach**

UPCOMING OPPORTUNITIES

September GSC Meeting

SEP. 9, 2020 • 3:30pm-5:30pm • Go to Meeting

All stakeholders are encouraged to join the next virtual GSC Meeting. Key topics include: A review of the draft basin wide sustainability goal; details of the proposed monitoring network and sustainability indicators; an update of the Data Management System; and other topics related to sustainable goal setting.

REGISTER: To access the Go to Meeting details, go to SLOWaterBasin.com, click on ***Calendar*** and go to the September 9, 2020 calendar details.

Chapter 6: Water Budget, Public Comment Period

Closes SEP. 30, 2020

Chapter 6 of the GSP, ***Water Budget,*** describes the historical and current groundwater budget for the SLO Basin including water coming in (inflows), water pumping and discharging (outflows), and changes in storage. It will also quantify the current overdraft in the Basin and estimate the Basin's sustainable yield. To review the chapter or submit comments go to SLOWaterBasin.com/ review-documents.

Stakeholder Workshop #3: Sustainable Goal Setting

OCT. 1, 2020 • 3:00pm-5:00pm • Zoom Meetings

Join this workshop to help refine the Basin sustainability goals and monitoring network. Input gathered within this workshop will help ensure that the goals outlined in the GSP align to the values and needs of Basin stakeholders while still meeting the requirements of SMGA.

WHO SHOULD ATTEND: Stakeholders interested in or affected by the management of groundwater in the SLO Basin.

REGISTRATION IS REQUIRED. Learn more and register at SLOWaterBasin.com/workshops.

FUTURE GSP CHAPTER/ SECTION REVIEW OPPORTUNITIES

Chapters 7-8: Sustainable Management Criteria and Monitoring Network

Chapters 7 and 8 identify the undesirable results for each of the five sustainability indicators required by SGMA and relevant to the SLO Basin, including: further groundwater level decline; reduction in groundwater storage; depletion of interconnected surface water bodies; water quality degradation; and land subsidence.

GSC MEETINGS: 09/09/2020; 12/09/2020

WORKSHOP: 10/2020

REVIEW AND COMMENT: Released upon GSC approval at the 12/09/2020 GSC meeting; comment period is anticipated to close 30 days or more following the GSC meeting.

Chapters 9-10: Projects, Management Actions and Implementation Plan

Chapters 9 and 10 will identify projects, management actions, and the implementation plan that will bring groundwater use into balance and meet the sustainable management criteria identified in Chapters 7 and 8.

GSC MEETINGS: 12/09/2020; 03/10/2021

WORKSHOP: 02/2021

REVIEW AND COMMENT: Released upon GSC approval at the 03/10/2021 GSC meeting; comment period is anticipated to close 30 days or more following the GSC meeting.

Virtual Platforms Help Maintain Meaningful Stakeholder Engagement During COVID-19

The SLO Basin GSP project team transitioned all stakeholder engagement experiences—including both Groundwater Sustainability Commission (GSC) meetings and stakeholder workshops—to a virtual environment through at least Fall of 2020. GSC Meetings are using the Go to Meeting platform while stakeholder workshops are using the Zoom Meetings platform.

This action was taken to protect the health and safety of the project team and our community, while maintaining our commitment to meaningful engagement. To ensure this technology is not a hindrance to stakeholder participation, attendees can join via phone as well as computer. Furthermore, workshop summaries and recordings continue to be made available on the project website following the live events. Those unable to join the live workshops have the opportunity to review and comment on workshop summaries.

Join the Next Virtual GSC Meeting

September 9, 2020 • 3:30pm-5:30pm •
Go to Meetings

All stakeholders are encouraged to join the next virtual GSC Meeting. Key topics include: A review of the draft basin wide sustainability goal; details of the proposed monitoring network and sustainability indicators; an update of the Data Management System; and other topics related to sustainable goal setting.

Register at: **SLOWaterBasin.com** click on Calendar

Continued from page 1: **With an Understanding of the SLO Basin Developed, Goal Setting Begins**

completed a technical memo, ***Groundwater / Surface Water Model Approach.*** The memo comment period closed June 15, 2020.

STAKEHOLDER ENGAGEMENT PROGRESS

On June 10, 2020, more than 75 stakeholders participated in a virtual workshop to set a shared vision for what a "sustainable SLO Basin" means to them. A workshop summary was produced, which synthesized stakeholder feedback into a set of ***5 Guiding Principles to inform the SLO Basin GSP.*** The summary was opened for public comment and closed on July 31, 2020. The final ***5 Guiding Principles*** will be used to inform the draft basin wide sustainability goal that will be shared at the September 9, 2020 GSC Meeting and October 1, 2020 stakeholder workshop.

WHAT'S NEXT

Step 3: Set Sustainability Goals is now underway. Key topics that will be discussed at the September 9, 2020 GSC Meeting include: a presentation and discussion of the data management system (DMS) plan; details of the proposed basin monitoring network; the proposed representative monitoring sites; and a draft set of sustainability management criteria for each representative monitoring well.

Stakeholders can inform the draft sustainability goals by attending the September 9, 2020 GSC Meeting and/or October 1, 2020 ***Sustainable Goal Setting Workshop***. Find details on this and other opportunities to participate on page 3 or by visiting the project website at SLOWaterBasin.com/get-involved.

Stakeholder Workshop Summary: Groundwater Management Vision

Attendees to the June 10, 2020 stakeholder workshop, ***Groundwater Management Vision,*** participated in an interactive visioning exercise where they helped populate a virtual white board to answer the question, "What is our shared vision of what a 'sustainable SLO Basin' means?" Stakeholders added ideas, perceptions, outcomes, and values onto the white board across the following categories:

- **Available Groundwater Supply:** What needs/uses does our groundwater supply always need to be able to serve?
- **Available Groundwater Storage:** What needs/uses does our stored groundwater need to serve or prepare us for?
- **Groundwater Dependent Ecosystem Health:** What outcomes do we want for surface water ecosystems and prevention of land subsidence?
- **Cost to Users:** If we achieve a "sustainable SLO Basin," how does it look to ratepayers?
- **Groundwater Quality:** What is the quality of groundwater we aim to sustain?

Below is a snapshot of the draft ***5 Guiding Principles*** that resulted from this input and will be used to guide the remaining decisions in the GSP development. Find the complete workshop summary, including detailed input and public comments, on the project website at SLOWaterBasin.com/review-documents.

Join the Next Virtual Stakeholder Workshop #3: Sustainable Goal Setting

October 1, 2020 • 3:00pm-5:00pm • Zoom Meetings

Join this workshop to help refine the Basin sustainability goals and monitoring network. Input gathered within this workshop will help ensure that the goals outlined in the GSP align to the values and needs of Basin stakeholders while still meeting the requirements of SMGA.

Register at: **SLOWaterBasin.com/workshops**

Key Terms

Groundwater Sustainability Agency (GSA) — One or more local agencies may establish a GSA. It is the GSA's responsibility to develop and implement a groundwater sustainability plan that considers all beneficial uses and users of groundwater in the basin. Two GSAs (i.e., the City and County of San Luis Obispo) have been formed for the SLO Basin to cover the whole basin area.

Groundwater Sustainability Commission (GSC) — The Groundwater Sustainability Commission is an advisory body that is established by the City and County GSAs to advise the GSAs in connection with preparation of the GSP for the SLO Basin. The GSC is currently comprised of the following individuals and related agencies: Bob Schiebelhut, Chairperson, Edna Valley Growers Mutual Water Company; Mark Zimmer, Vice Chairperson, Golden State Water Company; Dennis Fernandez, Member, Edna Ranch Mutual Water Company/Varian Ranch Mutual Water Company; Andy Pease, Member, City of San Luis Obispo.

Groundwater Sustainability Portal (Portal) — Located at SLOWaterBasin.com, the Portal is the central online communication hub for public participation and information sharing on the GSP project. Any interested party can subscribe to receive project updates and/or to review and submit public comment on GSP chapters/sections through the Portal.

GSC Meetings — Quarterly public meetings held by the Groundwater Sustainability Commission. The general public is encouraged to attend to learn about project progress, ask questions, and/or provide and share input. For a full calendar of meetings visit the Portal at SLOWaterBasin.com and click on "calendar."

Groundwater Sustainability Plan (GSP) — A management plan developed by the GSAs to provide a framework for managing the groundwater basin sustainably to meet the requirements of the Sustainable Groundwater Management Act (SGMA).

San Luis Obispo Valley Groundwater Basin (SLO Basin) — A groundwater basin area within the San Luis Valley and Edna Valley that has been designated as a high priority basin by the State Department of Water Resources (DWR).

Stakeholder Communication and Engagement Plan (C&E Plan) — Groundwater is best managed at the local level. GSAs are required to develop and implement a C&E Plan to ensure the timely, forthright, and consistent communication among all beneficial users of groundwater and stakeholders affected by the GSP.

Sustainable Groundwater Management Act (SGMA) — SGMA is a package of three bills (AB 1739, SB 1168, and SB 1319) that provide local agencies with a framework for managing groundwater basins in a sustainable manner. Recognizing that groundwater is most effectively managed at the local level, the SGMA requires local agencies to achieve sustainability within 20 years.

Stakeholder Workshops — Four public workshops are anticipated to be held at specific milestones in the GSP development process to allow for inclusive and meaningful opportunities for affected stakeholders to participate and contribute in the plan design. Find details on scheduled workshops at SLOWaterBasin.com, click on "calendar."

Stakeholder Engagement Snapshot

A Groundwater Sustainability Plan (GSP) considers all beneficial uses and users of groundwater—making meaningful stakeholder engagement an important part of the planning process. Recent highlights of the project team's engagement efforts are as follows:

426
Interested parties email list subscribers

30
Average stakeholderr attendance at GSC Meetings

8/10
Stakeholder segments represented on email list

14
Public notices posted since June 2020

11
Organizations received direct outreach

75
Stakeholders attended June 2020 workshop, *Groundwater Management Vision*

Questions and Accommodation Requests

If you have any questions, if you wish to receive materials about the GSP development by mail, or if you'd like to request accommodations to attend an upcoming event or workshop, including translation services, contact Dick Tzou at **dtzou@co.slo.ca.us** or 805-781-4473.

You can also contact us by mail:

County of San Luis Obispo Department of Public Works
County Government Center, Room 206
San Luis Obispo, CA 93408

Si necesita solicitar alojamiento para asistir a un próximo evento, incluidos los servicios de traducción, comuníquese con Dick Tzou a **dtzou@co.slo.ca.us** o al 805-781-4473.

GROUNDWATER SUSTAINABILITY COMMISSION
for the San Luis Obispo Valley Groundwater Basin
September 9, 2020

Agenda Item 7 – Sustainability Goal for the SLO Basin
(Presentation Item)

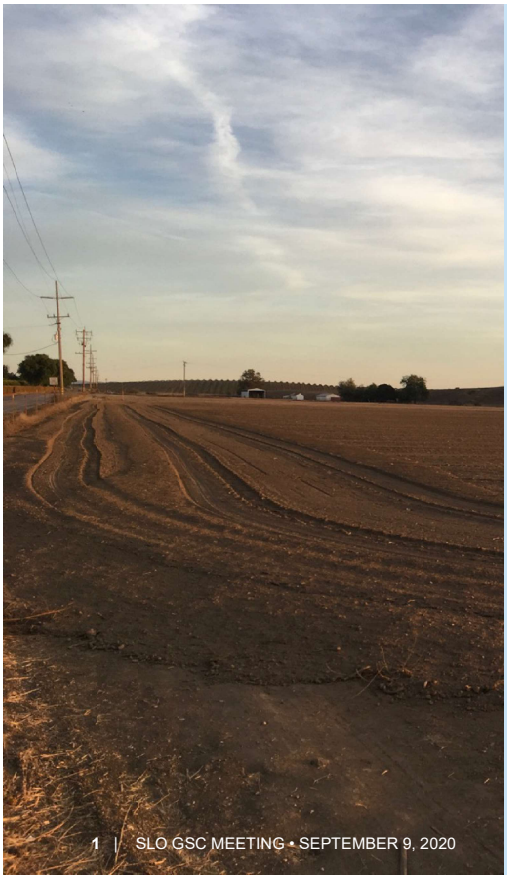
Recommendation
a) Receive a presentation on the Draft Sustainability Goal for the SLO Basin.

Prepared by
Michael Cruikshank, WSC

Discussion

The WSC Team, has been tasked with the preparation of the Groundwater Sustainability Plan (GSP) for the SLO Basin to meet the requirements of SGMA. The sustainability goal for the SLO Basin is developed in three parts: 1) description of the sustainability goal; 2) a discussion of the measures that will be implemented to ensure the basin will be operated within sustainable yield, and; 3) an explanation of how the sustainability goal is likely to be achieved. During the development of the draft sustainability goal, the Team reviewed the SLO Valley Basin Program Charter developed in September of 2016, the sustainability goals of neighboring basins, and the stakeholder feedback from Workshop #2 and the 5 Guiding Principles. The draft sustainability goal will be shown in this presentation and further described in Chapter 7 – Sustainable Management Criteria scheduled for released ahead of the December GSC Meeting. The last two parts will be completed in early 2021 after Chapter 9 - Projects and Management Actions and Chapter 10 – Implementation Plan are approved and will be included in the Public Draft of the GSP.

Attachments:
1. Presentation
2. 20160902_SLOGWB Charter

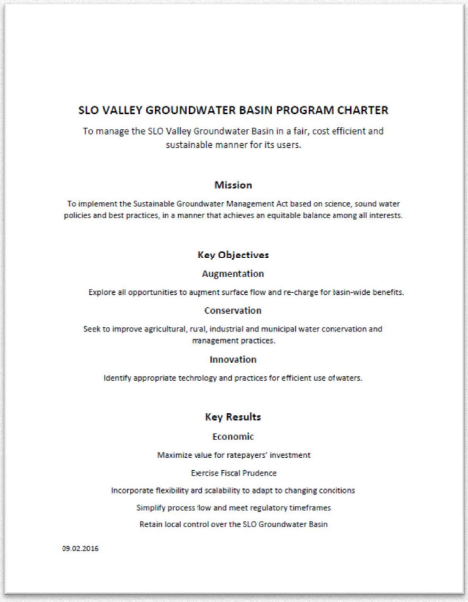


DEVELOP BASIN SUSTAINABILITY GOAL

Michael Cruikshank

SLO VALLEY GROUNDWATER BASIN PROGRAM CHARTER

- Revisit the SLO Valley Groundwater Basin Charter in context with the Sustainability Goal and where we are today
- Developed 4 years ago (September 2, 2016) prior to the development of the GSC.
- Charter included a Mission, Key Objectives, Key Results, and Guiding Principles



SLO VALLEY GROUNDWATER BASIN PROGRAM CHARTER

To manage the SLO Valley Groundwater Basin in a fair, cost efficient and sustainable manner for its users.

Mission

To implement the Sustainable Groundwater Management Act based on science, sound water policies and best practices, in a manner that achieves an equitable balance among all interests.

Key Objectives

Augmentation

Explore all opportunities to augment surface flow and re-charge for basin-wide benefits.

Conservation

Seek to improve agricultural, rural, industrial and municipal water conservation and management practices.

Innovation

Identify appropriate technology and practices for efficient use of waters.

Key Results

Economic

Maximize value for ratepayers' investment

Exercise Fiscal Prudence

Incorporate flexibility and scalability to adapt to changing conditions

Simplify process flow and meet regulatory timeframes

Retain local control over the SLO Groundwater Basin

09.02.2016

SLO VALLEY GROUNDWATER BASIN PROGRAM CHARTER

Developed 4 years ago (September 2, 2016) prior to the development of the GSC.

To manage the SLO Valley Groundwater Basin in a fair, cost efficient and sustainable manner for its users.

Mission

To implement the Sustainable Groundwater Management Act based on science, sound water policies and best practices, in a manner that achieves an equitable balance among all interests.

SLO VALLEY GROUNDWATER BASIN PROGRAM CHARTER

Key Objectives

Augmentation
Explore all opportunities to augment surface flow and recharge for basin-wide benefits.

Conservation
Seek to improve agricultural, rural, industrial and municipal water conservation and management practices.

Innovation
Identify appropriate technology and practices for efficient use of waters.

GETTING TO SUSTAINABILITY

SGMA REQUIREMENTS: BASIN-WIDE SUSTAINABILITY GOAL (§ 354.24)

These goals are the culmination of conditions resulting in an absence of undesirable results within 20 years.

THE SUSTAINABILITY GOAL HAS THREE PARTS:

1. A description of the sustainability goal;
2. A discussion of the measures that will be implemented to ensure the basin will be operated within sustainable yield, and; *(Completed after Chapter 9 - Projects and Management Actions is approved and included in the Public Draft of the GSP)*
3. An explanation of how the sustainability goal is likely to be achieved. *(Completed after the Chapter 10 -Implementation Plan is approved and included in the Public Draft of the GSP)*

SAMPLE SUSTAINABILITY GOAL

CUYUMA BASIN

To maintain a sustainable groundwater resource for beneficial users of the Basin now and into the future consistent with the California Constitution.

SAMPLE SUSTAINABILITY GOAL

PASO ROBLES

The goal of this GSP is to sustainably manage the groundwater resources of the Paso Robles Subbasin for long-term community, financial, and environmental benefit of Subbasin users.

This GSP outlines the approach to achieve a sustainable groundwater resource free of undesirable results within 20 years, while maintaining the unique cultural, community, and business aspects of the Subbasin. In adopting this GSP, it is the expressed goal of the GSAs to balance the needs of all groundwater users in the Subbasin, within the sustainable limits of the Subbasin's resources.

SLO BASIN SUSTAINABILITY GOAL (draft)

Manage the SLO Basin to ensure beneficial uses and users have access to a safe and reliable groundwater supply that meets current and future demand without causing undesirable results.

SLO BASIN SUSTAINABILITY GOAL (draft)

- Groundwater supply supports diverse needs reliably and equitably
- Stored Groundwater Equitably supports supply resilience and evolving needs
- Groundwater levels support the sustained health of groundwater dependent ecosystems
- Cost of maintaining sustainable groundwater levels is equitably distributed
- Groundwater quality is maintained to a safe standard to meet diverse basin needs

SGMA REQUIREMENTS: BASIN-WIDE SUSTAINABILITY GOAL

These goals are the culmination of conditions resulting in an absence of undesirable results within 20 years.

THE SUSTAINABILITY GOAL HAS THREE PARTS:

1. A description of the sustainability goal;

2. A discussion of the measures that will be implemented to ensure the basin will be operated within sustainable yield, and; *(Completed after Chapter 9 - Projects and Management Actions is approved and included in the Public Draft of the GSP)*

3. An explanation of how the sustainability goal is likely to be achieved. *(Completed after the Chapter 10 -Implementation Plan is approved and included in the Public Draft of the GSP)*

SLO VALLEY GROUNDWATER BASIN PROGRAM CHARTER

To manage the SLO Valley Groundwater Basin in a fair, cost efficient and sustainable manner for its users.

Mission

To implement the Sustainable Groundwater Management Act based on science, sound water policies and best practices, in a manner that achieves an equitable balance among all interests.

Key Objectives

Augmentation

Explore all opportunities to augment surface flow and re-charge for basin-wide benefits.

Conservation

Seek to improve agricultural, rural, industrial and municipal water conservation and management practices.

Innovation

Identify appropriate technology and practices for efficient use of waters.

Key Results

Economic

Maximize value for ratepayers' investment

Exercise Fiscal Prudence

Incorporate flexibility and scalability to adapt to changing conditions

Simplify process flow and meet regulatory timeframes

Retain local control over the SLO Groundwater Basin

09.02.2016

Environmental

Develop and implement a holistic strategy to incorporate sustainable practices in water resources, planning, design, construction and operation to enhance sustainable resource recovery, water quality and to reduce pollutants in the SLO Groundwater Basin while maintaining a balanced ecosystem.

Social

Engender the trust of stakeholders and be a good neighbor

Guiding Principles

Be honest and respectful

Build and enhance trust

Encourage and embrace innovation and creativity

Understand the “why” and expand the “possible”

Encourage open communication, constructive feedback, and differing points of view

Support knowledge-based decisions

Maintain transparency

Encourage active participation

GROUNDWATER SUSTAINABILITY COMMISSION
for the San Luis Obispo Valley Groundwater Basin
September 9, 2020

Agenda Item 8 – Monitoring Network
(Presentation Item)

Recommendation
a) Receive a presentation on the draft monitoring network.

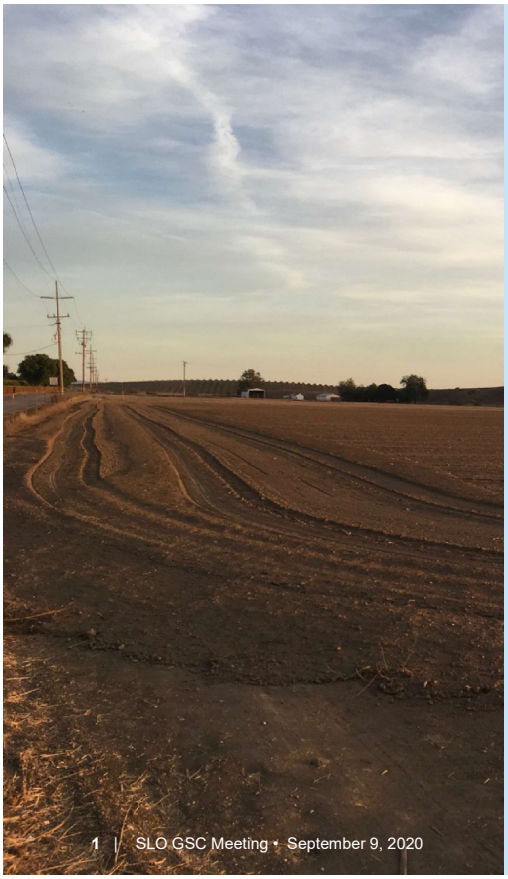
Prepared by
Spencer Harris, CHG

Discussion

The WSC Team, has been tasked with the preparation of the Groundwater Sustainability Plan (GSP) for the SLO Basin to meet the requirements of SGMA. The monitoring network is developed to collect sufficient data to demonstrate short-term, seasonal, and long-term trends in groundwater and related surface conditions, and yield representative information about groundwater conditions as necessary to evaluate Plan Implementation.

The draft monitoring network for the SLO Basin currently includes 32 existing monitoring wells, 6 existing stream gages, and identifies areas where additional monitoring locations are needed. Stakeholders with wells in, or close to, the data gaps areas and who would consider participating in the monitoring program are encouraged to contact the WSC Team. The groundwater monitoring network will be featured in Chapter 8: Monitoring Networks scheduled to be released ahead of the December GSC meeting.

Attachments:
1. Presentation

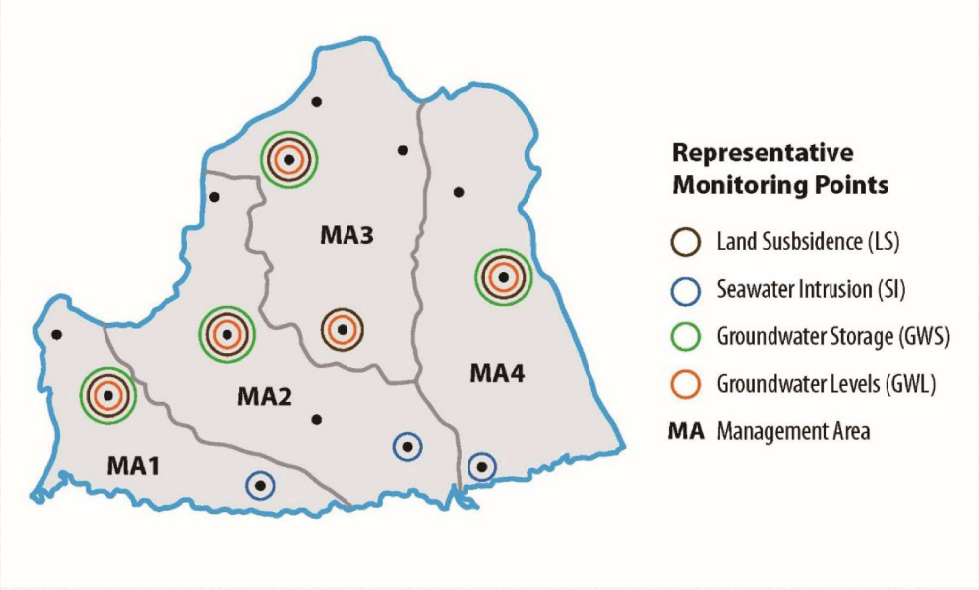


Monitoring Network

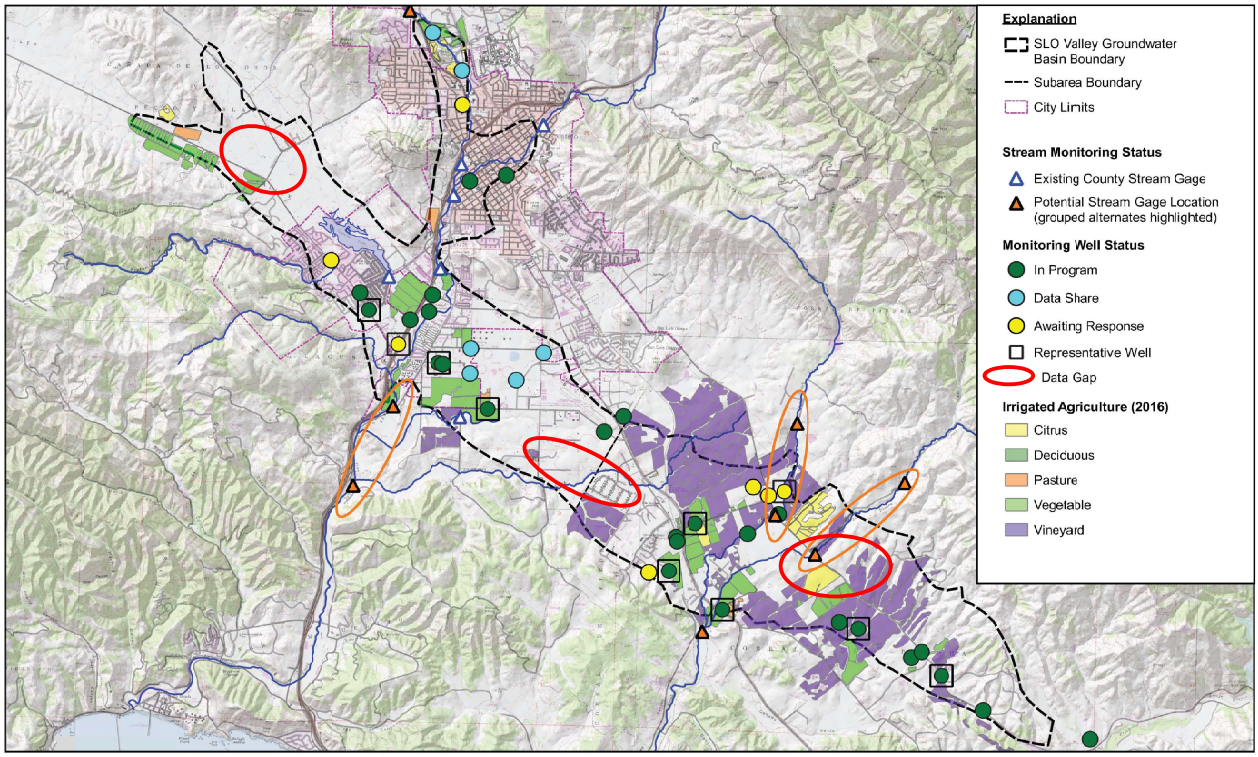
Spencer Harris

GSP §354.34 MONITORING NETWORK

(a) Each Agency shall develop a monitoring network capable of collecting sufficient data to demonstrate short-term, seasonal, and long-term trends in groundwater and related surface conditions, and yield representative information about groundwater conditions as necessary to evaluate Plan Implementation.



Department of Water Resources (Monitoring Network BMP, 2016)



Prepared For:

SAN LUIS OBISPO VALLEY BASIN GSP

Author: TK
Date: 08/31/2020

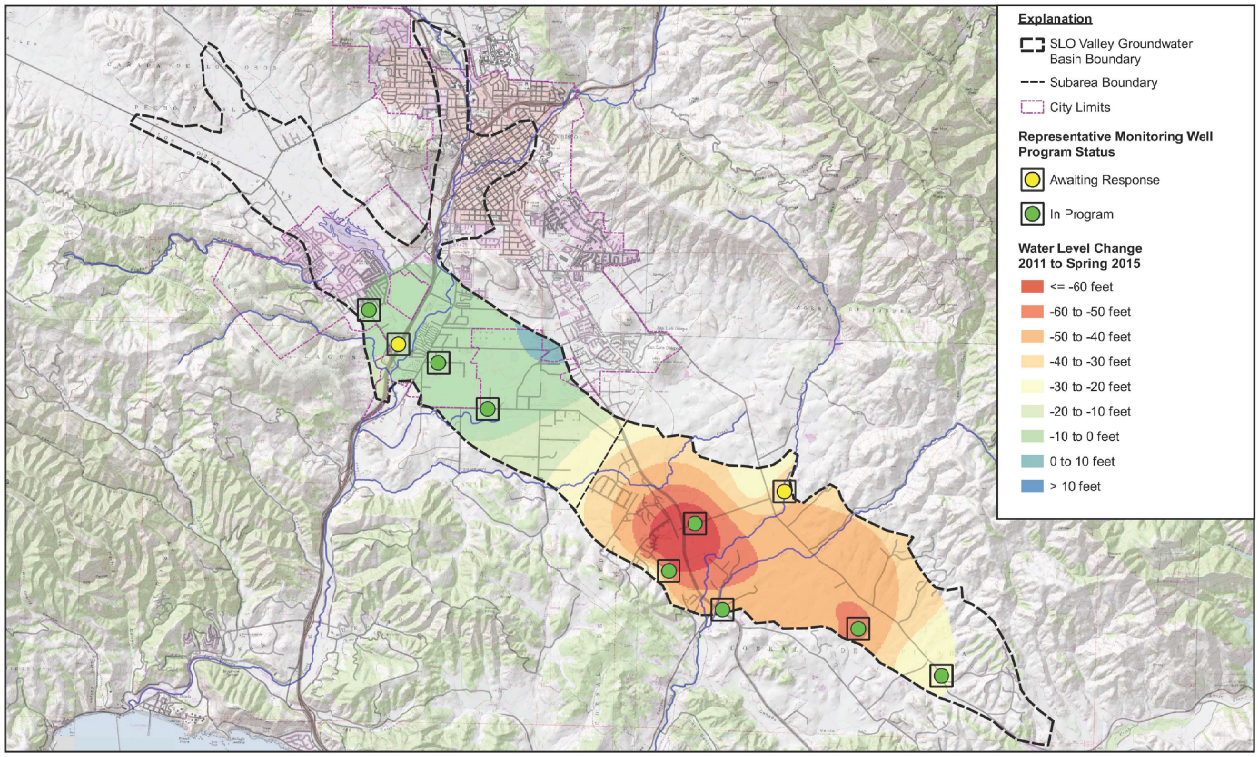
N

0 0.25 0.5 0.75 1 mi
0 0.5 1 km

References:
1. Coordinate System: State Plane California V FIPS 0405 Feet
2. Projection: Lambert Conformal Conic
3. Horizontal Datum: NAD 83
4. Vertical Datum: NAVD 88
5. Basemap: USGS 7.5' Topographic Map

Notes:
1.
2.
3.

Monitoring Network Status
August 2020



Prepared For:

SAN LUIS OBISPO VALLEY BASIN GSP

Author: TK
Date: 08/27/2020

N

0 0.25 0.5 0.75 1 mi
0 0.5 1 km

References:
1. Coordinate System: State Plane California V FIPS 0405 Feet
2. Projection: Lambert Conformal Conic
3. Horizontal Datum: NAD 83
4. Vertical Datum: NAVD 88
5. Basemap: USGS 7.5' Topographic Map

Notes:
1.
2.
3.

Representative Monitoring Well Distribution
August 2020

GROUNDWATER SUSTAINABILITY COMMISSION
for the San Luis Obispo Valley Groundwater Basin
September 9, 2020

Agenda Item 9 – Representative Wells and Sustainable Management Criteria
(Presentation Item)

Recommendation

a) Receive a presentation on the selection criteria for the draft representative wells and associated draft sustainable management criteria (SMCs).

Prepared by

Dave O'Rourke, GSI

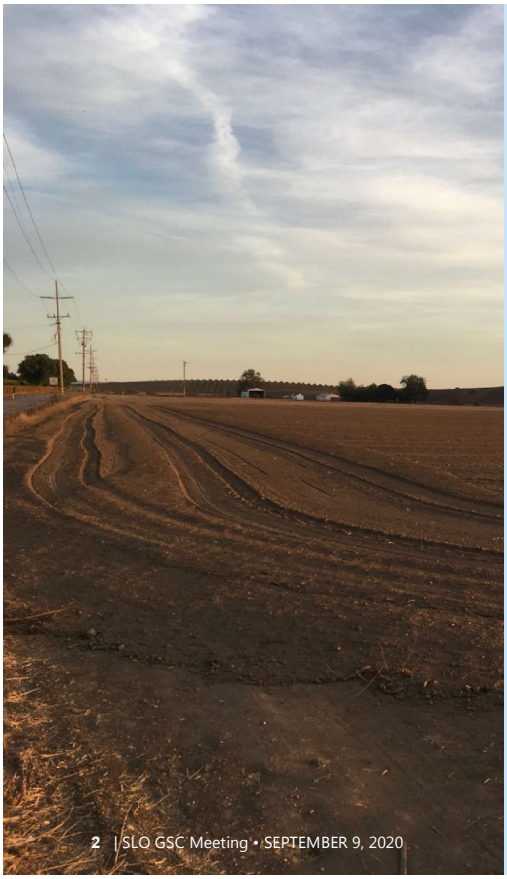
Discussion

The WSC Team, has been tasked with the preparation of the Groundwater Sustainability Plan (GSP) for the SLO Basin to meet the requirements of SGMA. The sustainability goal for the SLO Basin will be accomplished through achieving measurable objectives for each of the sustainability indicators identified in SGMA 1) chronic lowering of groundwater levels, 2) reduction of groundwater in storage, 3) land subsidence, 4) water quality degradation, and 5) interconnected surface water depletions. We used the following criteria to identify potential representative well: period of record, location in data gap area, well accessibility, well construction data, saturated thickness, and other ancillary items. We have adopted different guiding criteria to establish SMCs expressed as water levels in SLO Valley, where there is no evidence of declining water levels, and Edna valley, where declines have been documented.

The WSC Team will present and describe the 10 proposed draft representative wells and associated sustainable management criteria. These are intended to be draft proposals to initiate discussion among the affected stakeholders. The representative wells and sustainable management criteria will be the primary discussion topic at the October 1st GSA Workshop.

Attachments:

1. Presentation



Representative Wells and Sustainable Management Criteria

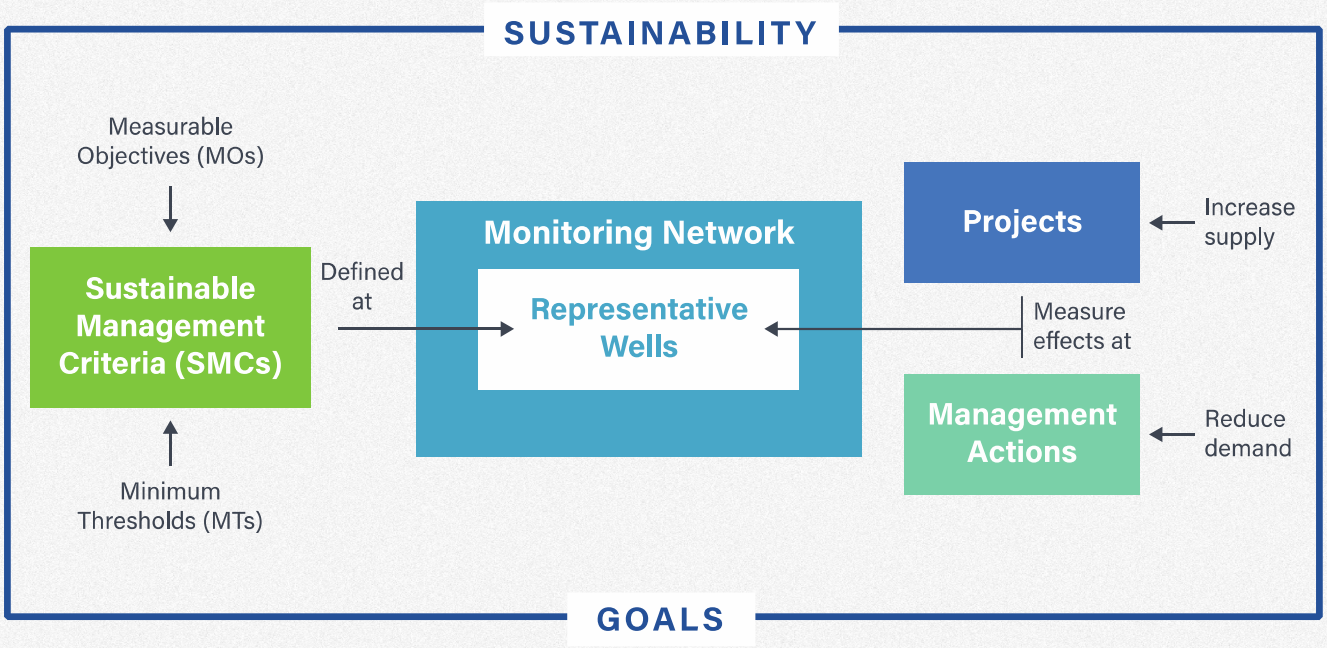
Dave O'Rourke

SUSTAINABLE MANAGEMENT CRITERIA

SUSTAINABILITY INDICATOR	CHRONIC LOWERING OF GROUNDWATER LEVELS	REDUCTION OF GROUNDWATER STORAGE	WATER QUALITY DEGRADATION	LAND SUBSIDENCE	INTER-CONNECTED SURFACE WATER DEPLETIONS	SEAWATER INTRUSION
METRIC(S) USED	Groundwater Elevation	Total Volume	- Migration Plumes - # of Supply Wells - Volume - Location of Isocontour	Rate and extent of land subsidence	Volume or rate of surface water depletion	Chloride Concentration Isocontour

SGMA allows all indicators but water quality to be assessed using **WATER LEVELS** as a proxy metric for direct measurement.

GETTING TO SUSTAINABILITY



REPRESENTATIVE WELLS CRITERIA

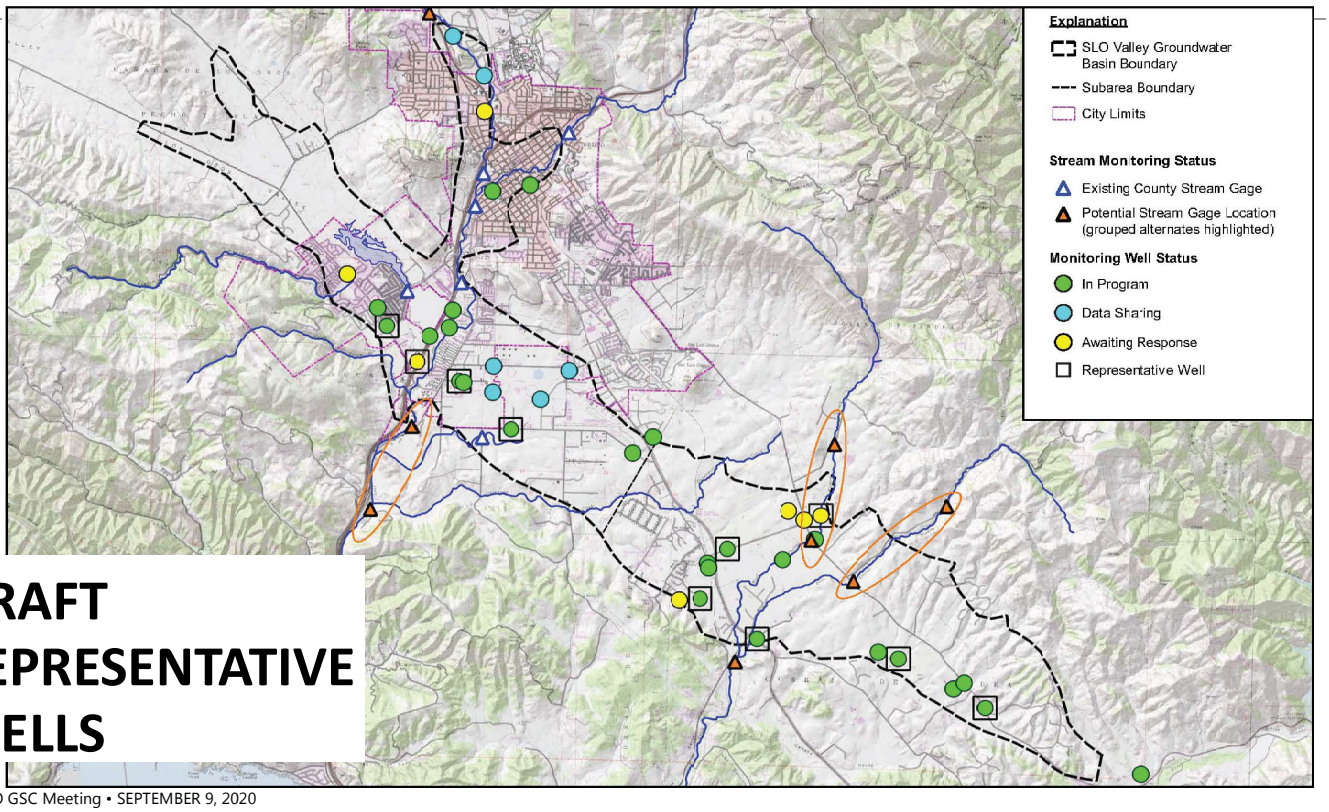
Representative Wells are a Subset of Monitoring Network

- SLO GSA currently have or are pursuing ~40 wells in monitoring network.
- About 10 wells are being considered as representative wells.

Qualities desired for representative wells. (Not required at start of program.)

- Located in areas of interest or data gaps
- Accessibility of well for measurements
- Long Period of Record
- Documented Well Construction Details
- Dedicated Monitoring Well Preferred– No Pump

DRAFT REPRESENTATIVE WELLS



SUSTAINABLE MANAGEMENT CRITERIA
SLO BASIN

Definitions

Measurable Objectives.
Measurable objectives are quantitative goals (usually water levels) that reflect the basin's desired groundwater conditions and allow the GSA to achieve the sustainability goal within 20 years.

Minimum Thresholds.
The quantitative value that represents the groundwater conditions at a representative monitoring site that, when exceeded individually or in combination with minimum thresholds at other monitoring sites, may cause an undesirable result(s) in the basin.

Interim Milestone.
A target value representing measurable groundwater conditions, in increments of five years, set by an Agency as part of a Plan

Approach to Water Quality Sustainability Indicator

- **Groundwater quality is not a primary focus of SGMA.**
  - **Projects and management actions cannot degrade WQ to the extent they cause undesirable results.**
- **WQ in SLO Basin is within the Basin Objectives.**
- **Water Quality Monitoring – Use existing programs**
  - **Suitability for Drinking Water – Public supply wells must sample raw water.**
  - **GAMA Program – SWRCB Program to characterize ambient groundwater quality**
  - **Agricultural Monitoring – Irrigated Lands Program**
  - **Point Source Contamination - RWQCB**
    - **Buckley Road TCE Plume**
    - **San Luis Obispo PCE Plume**

Approach to SMC Groundwater Level Criteria

SLO Valley:

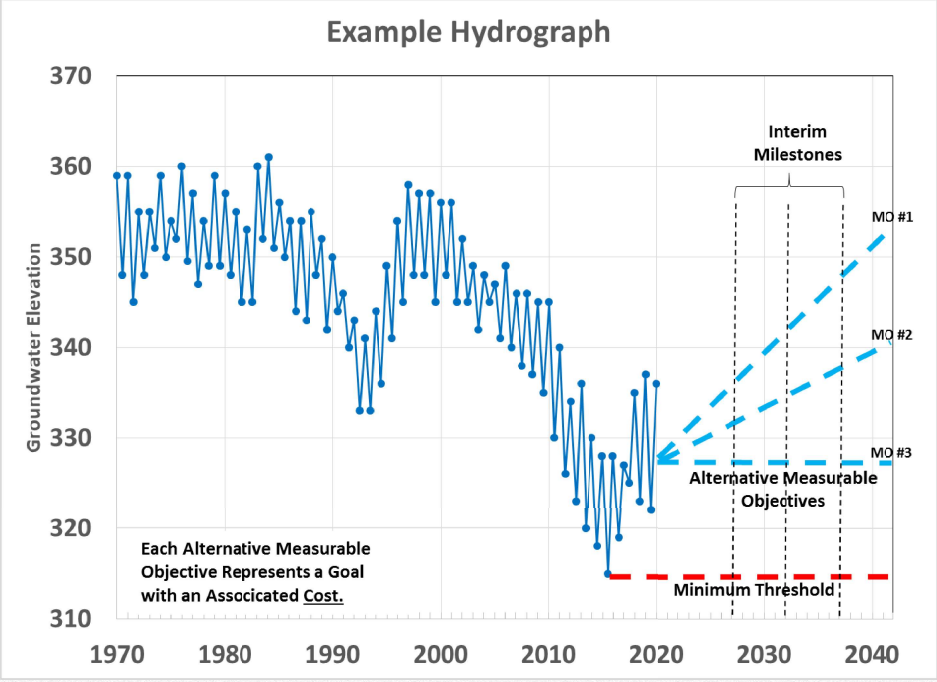
- **No declining groundwater level trends are documented.**
- **SGMA mandates that an MO and MT must be defined.**
- **City of SLO retains the right for future groundwater development. Therefore, MOs may be defined lower than current water levels.**
- **In areas where subsidence has occurred (LOVR), MTs will be set higher than historical low water levels.**
- **In areas where subsidence has not been documented, historical low water levels will be considered to set MTs.**
- **Other considerations:**
  - **Well screen interval**
  - **Total aquifer thickness**
  - **Proximity to stream**

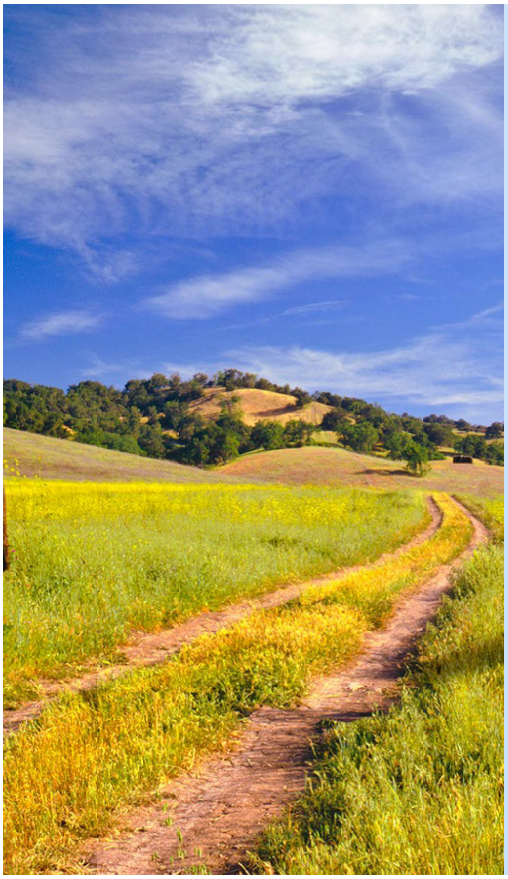
Approach to SMC Groundwater Level Criteria

Edna Valley

- Declining groundwater level trends are documented in some areas.
- MOs will be established to prevent future *additional* water level declines.
- Recent low water levels (2015 drought conditions) will be considered to set MTs.
- Other considerations:
  - Well screen interval
  - Total aquifer thickness

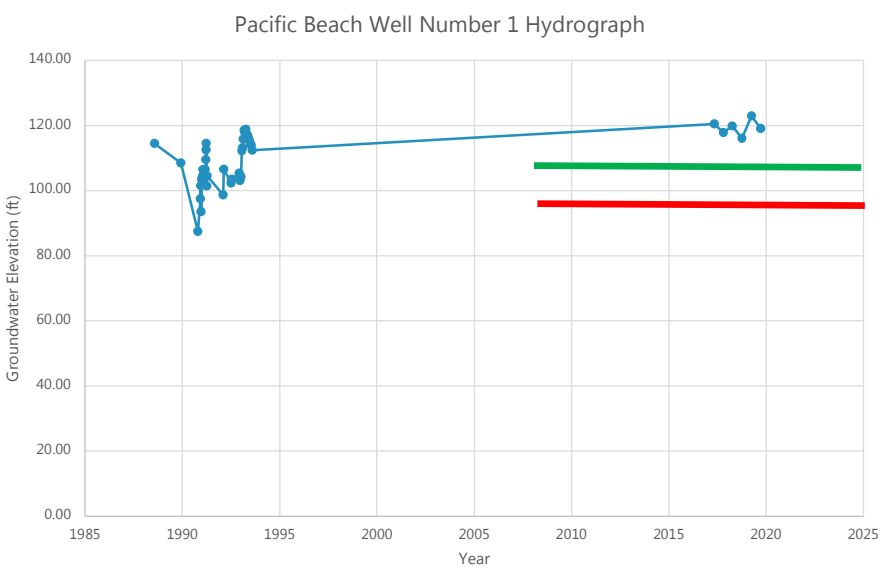
EXAMPLE: SUSTAINABLE MANAGEMENT CRITERIA (SMCs)





SLO VALLEY

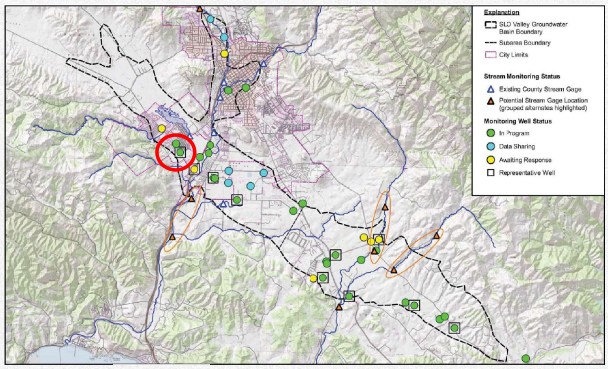
DRAFT REPRESENTATIVE WELLS
SLO Valley -- Pacific Beach 1



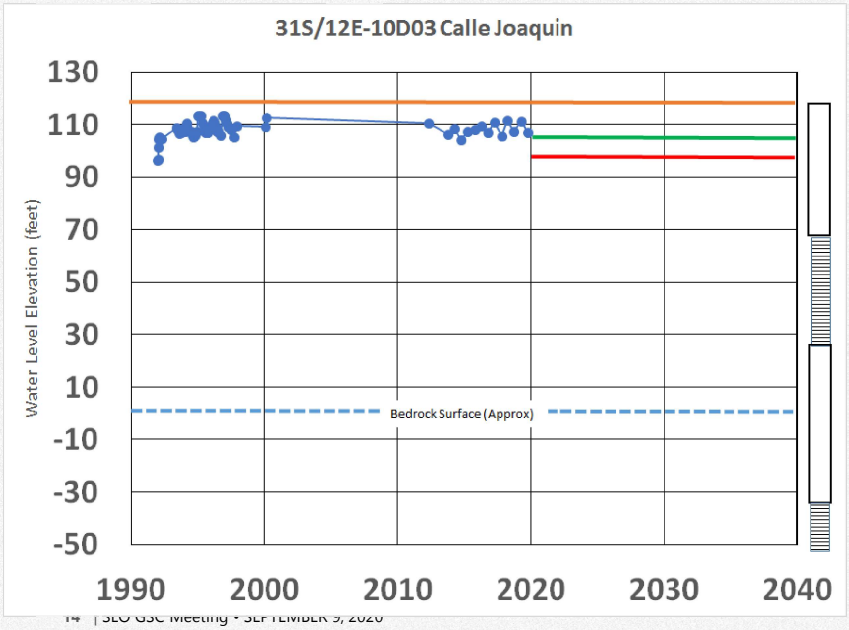
LAND SUBSIDENCE

Measurable Objective

Minimum Threshold



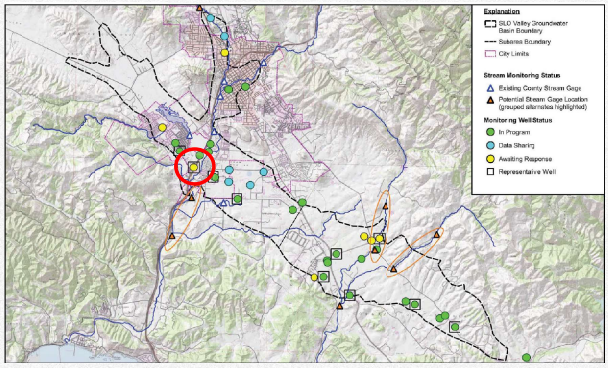
DRAFT REPRESENTATIVE WELLS
SLO Valley -- Calle Joaquin



LAND SUBSIDENCE

Measurable Objective

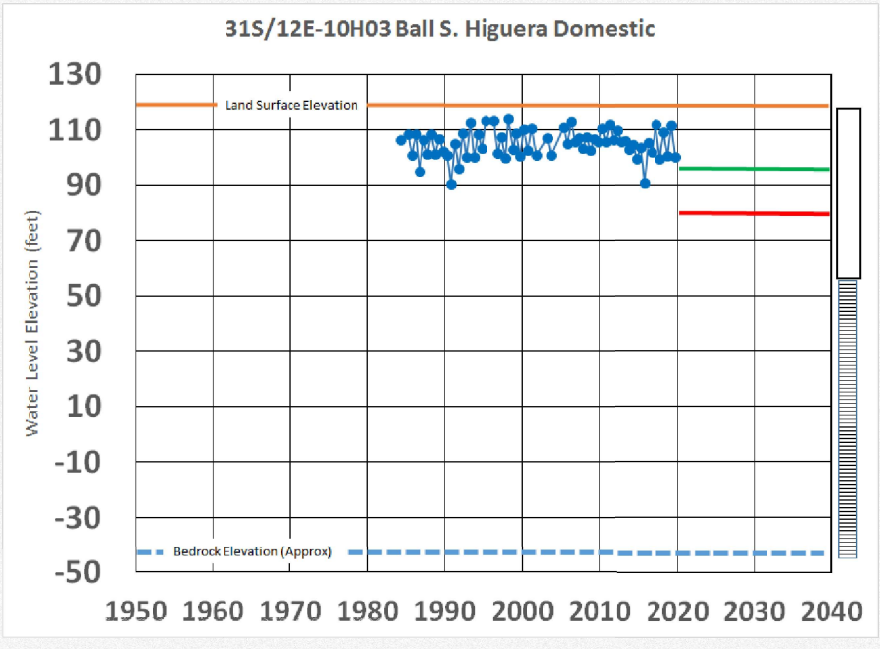
Minimum Threshold



DRAFT REPRESENTATIVE WELLS
SLO Valley -- 31S/12E-10H03

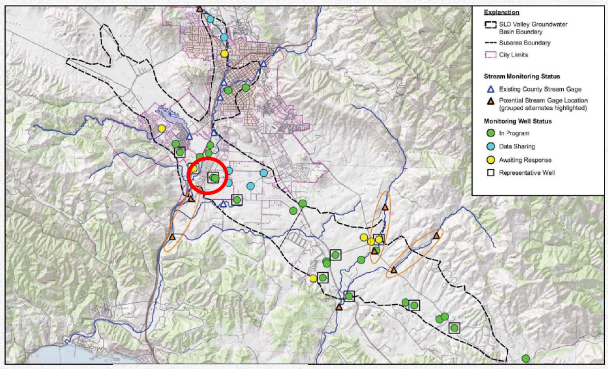
CHRONIC LOWERING OF GROUNDWATER LEVELS

REDUCTION OF GROUNDWATER STORAGE



Measurable Objective

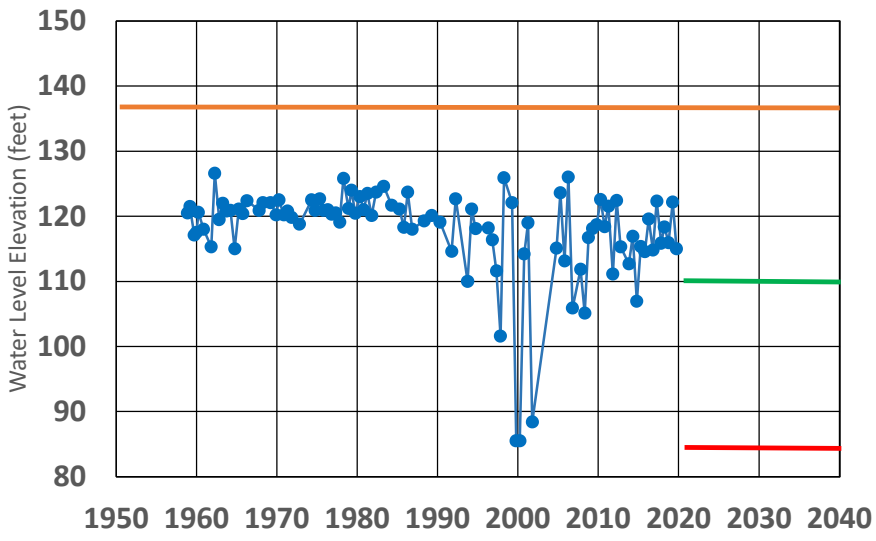
Minimum Threshold



DRAFT REPRESENTATIVE WELLS
SLO Valley -- 31S/12E-14C01

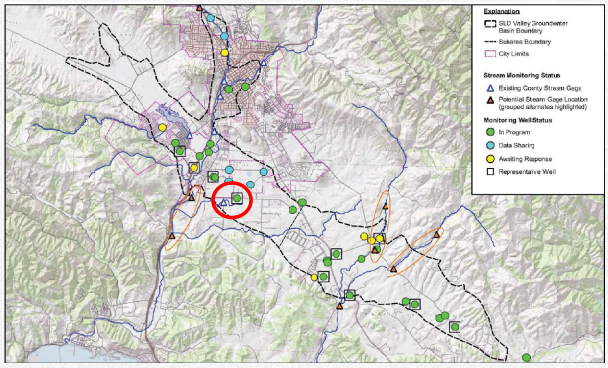
CHRONIC LOWERING OF GROUNDWATER LEVELS

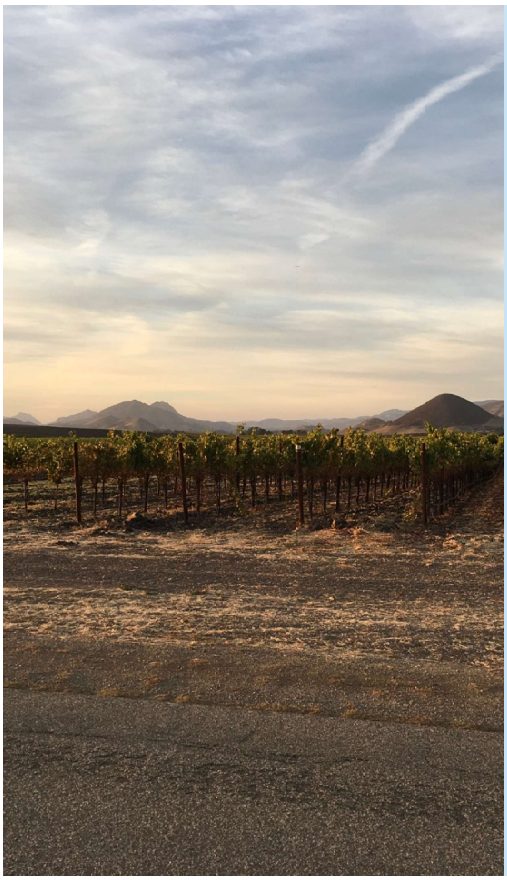
REDUCTION OF GROUNDWATER STORAGE



Measurable Objective

Minimum Threshold



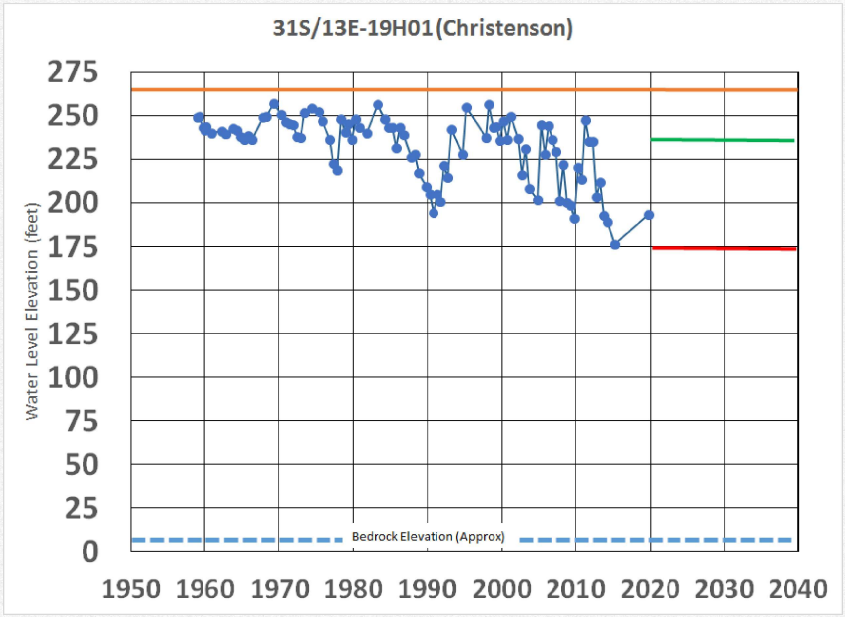


EDNA VALLEY

DRAFT REPRESENTATIVE WELLS
Edna Valley -- 31S/13E-19H01

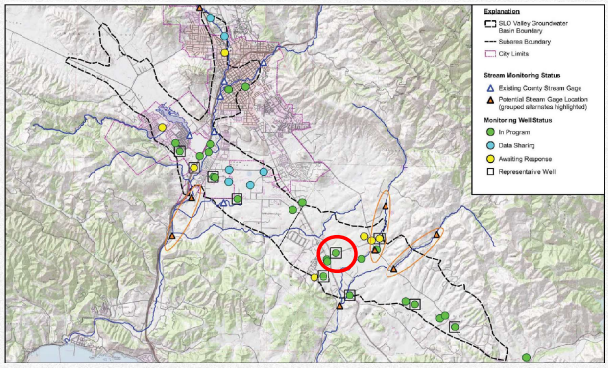
CHRONIC LOWERING OF GROUNDWATER LEVELS

REDUCTION OF GROUNDWATER STORAGE



Measurable Objective

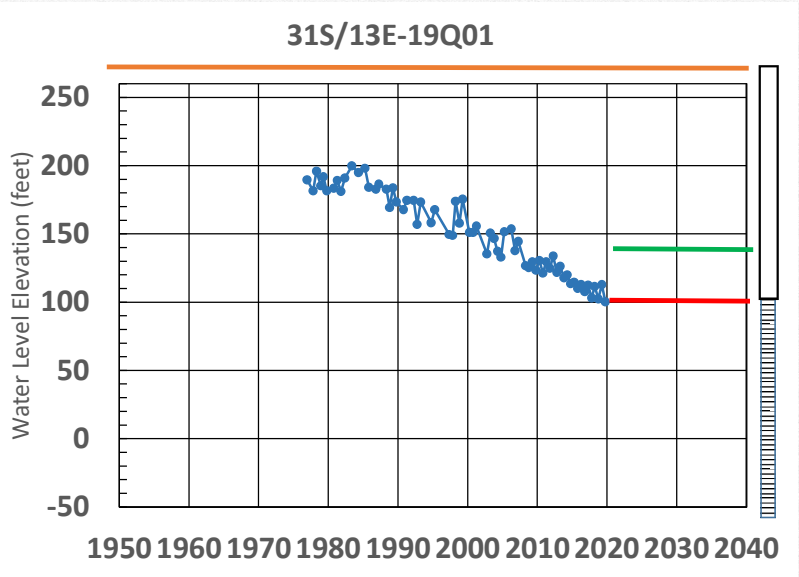
Minimum Threshold



DRAFT REPRESENTATIVE WELLS
Edna Valley -- 31S/13E-19Q01

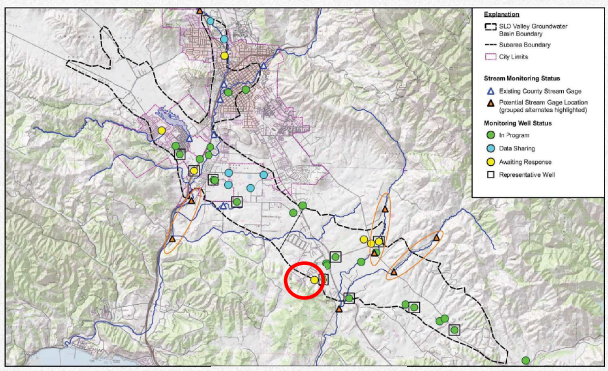
CHRONIC LOWERING OF GROUNDWATER LEVELS

REDUCTION OF GROUNDWATER STORAGE



Measurable Objective

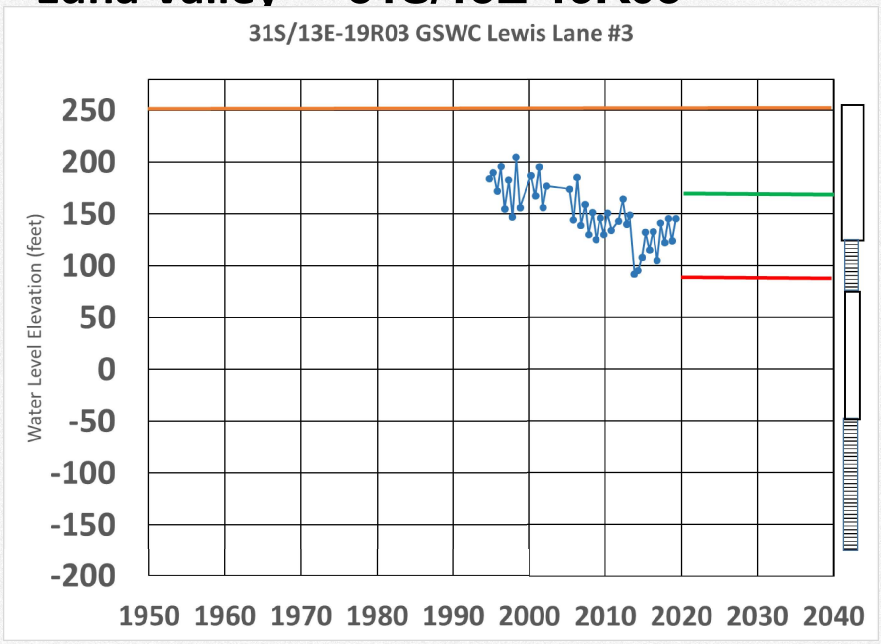
Minimum Threshold



DRAFT REPRESENTATIVE WELLS
Edna Valley -- 31S/13E-19R03

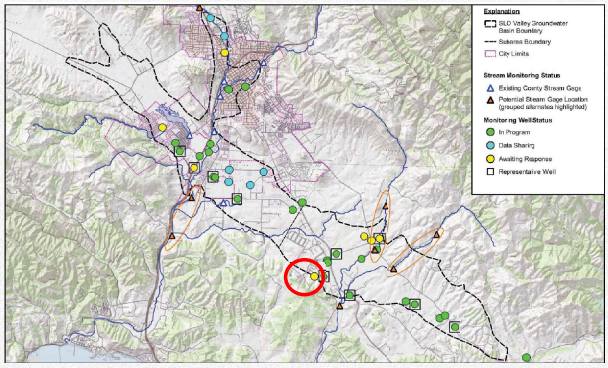
CHRONIC LOWERING OF GROUNDWATER LEVELS

REDUCTION OF GROUNDWATER STORAGE



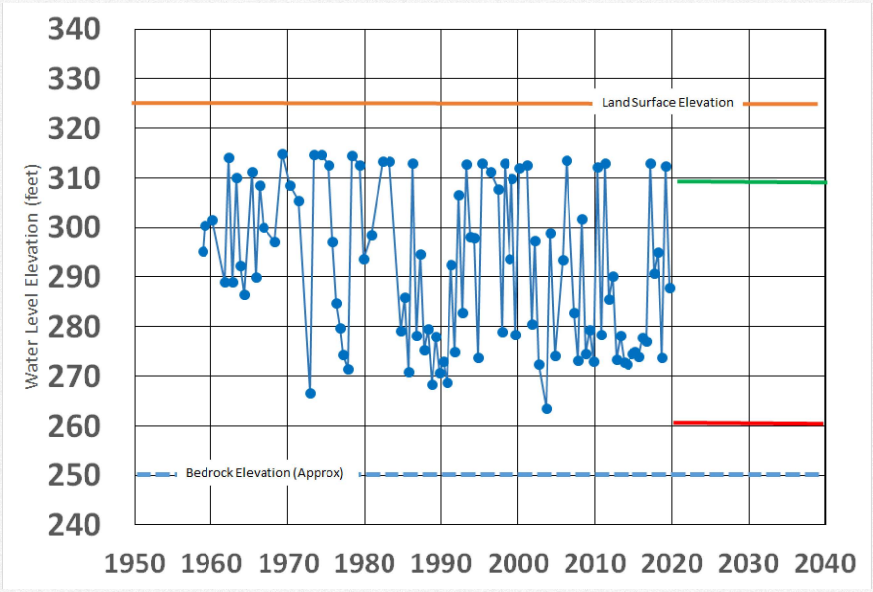
Measurable Objective

Minimum Threshold



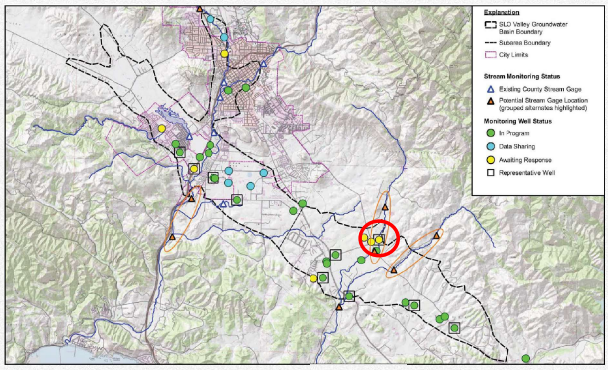
DRAFT REPRESENTATIVE WELLS
Edna Valley -- 31S/13E-16N01

INTERRCONNECTED SURFACE WATER DEPLETIONS

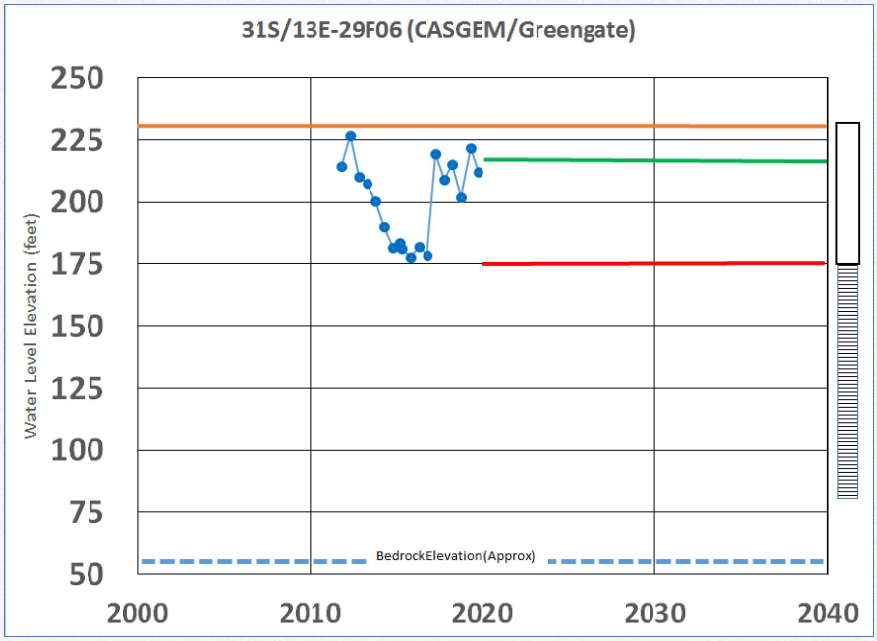


Measurable Objective

Minimum Threshold



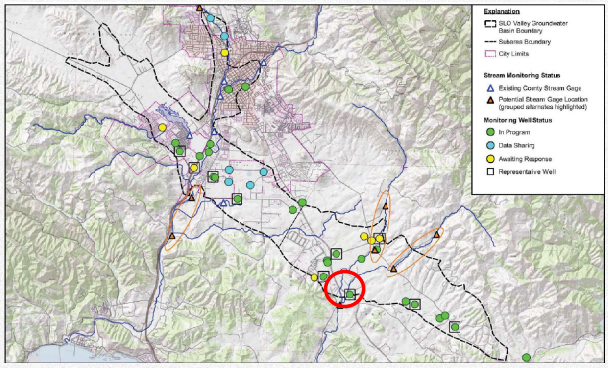
DRAFT REPRESENTATIVE WELLS
Edna Valley -- 31S/13E-29F06



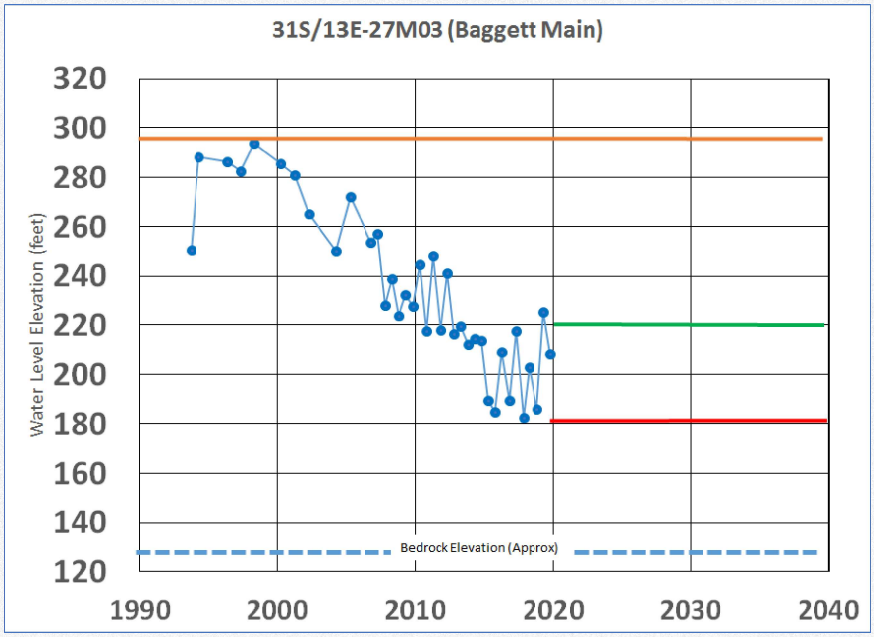
INTERRCONNECTED SURFACE WATER DEPLETIONS

Measurable Objective

Minimum Threshold



DRAFT REPRESENTATIVE WELLS
Edna Valley -- 31S/13E-27M03

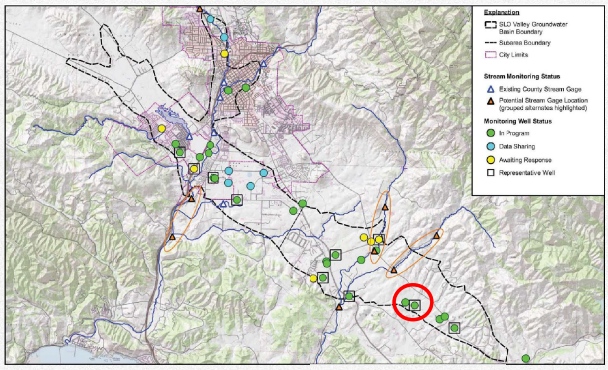


CHRONIC LOWERING OF GROUNDWATER LEVELS

REDUCTION OF GROUNDWATER STORAGE

Measurable Objective

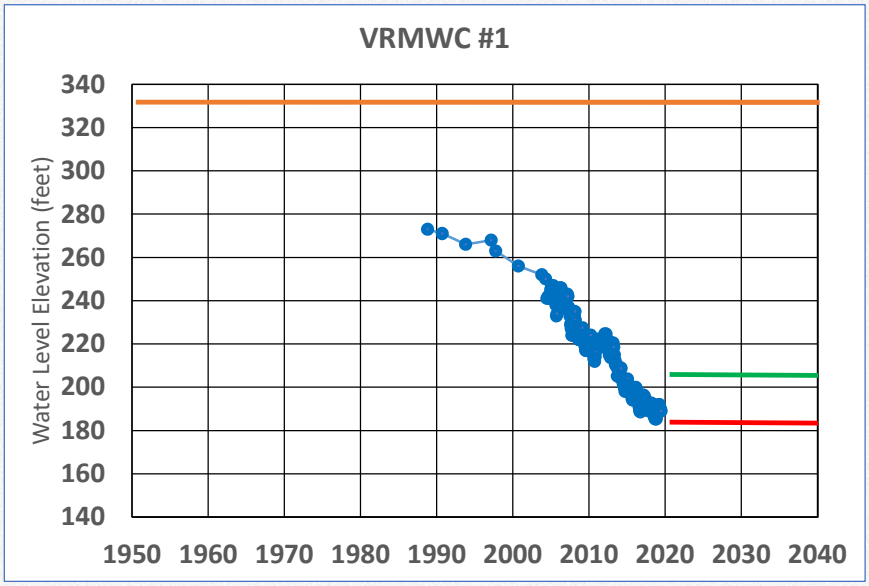
Minimum Threshold



DRAFT REPRESENTATIVE WELLS
Edna Valley -- VRMWC Well #1

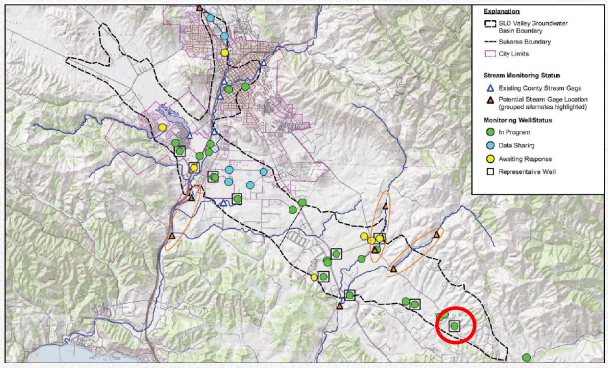
CHRONIC LOWERING OF GROUNDWATER LEVELS

REDUCTION OF GROUNDWATER STORAGE



Measurable Objective

Minimum Threshold



Workshop #3: Sustainable Goal Setting

October 1, 2020
3 pm – 5 pm
Zoom Meeting

Take a deeper dive into the Representative Wells and Sustainable Management Criteria which will be used to determine sustainability at Workshop #3.

Register at:
SLOWaterBasin.com/workshops

GROUNDWATER SUSTAINABILITY COMMISSION
for the San Luis Obispo Valley Groundwater Basin
September 9, 2020

Agenda Item 10 – Draft Data Management Plan for Review and Comment
(Action Item)

Recommendation

a) Consider recommending the Draft Data Management Plan to be received and filed by the GSAs and released for public comment.

Prepared by

Mike Cornelius, GEI

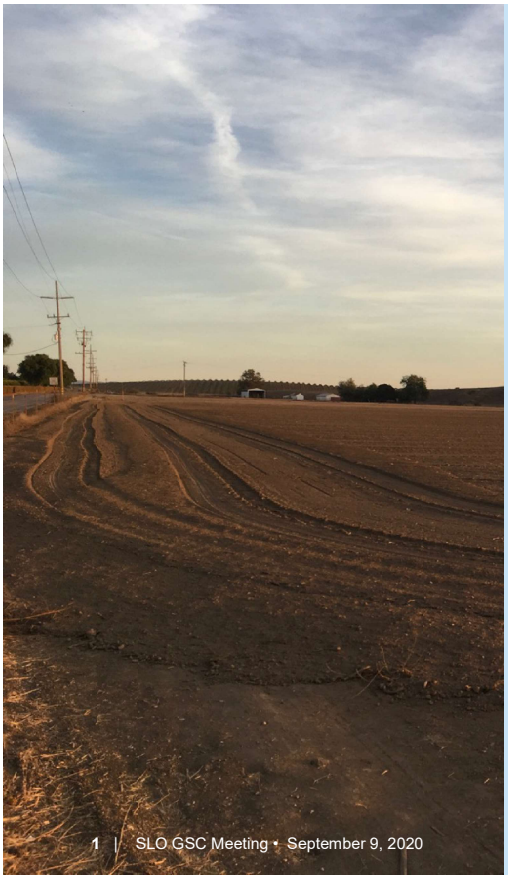
Discussion

The WSC Team, has been tasked with the preparation of the Groundwater Sustainability Plan (GSP) for the SLO Basin to meet the requirements of SGMA. The Data Management Plan (DMP) has been drafted as part of this Agenda packet. The purpose of this DMP is to describe the planned Data Management System (DMS) and the process for collection, review, and upload of data used to develop a Groundwater Sustainability Plan (GSP) and data reporting for the San Luis Obispo (SLO) Valley Groundwater Basin. This document does not provide final specifications for a complete DMS. Rather, it describes the data needed to comply with SGMA, the method to be used for data collection, and a plan for DMS development.

The Draft Data Management Plan will be uploaded to SLOWaterBasin.com for review and public comment after the GSC has recommended that each GSA receives and files the draft chapters. The WSC Team will present an overview of the Data Management Plan and show the attendees how to use SLOWaterBasin.com to review the DMP and provide comments.

Attachments:

1. Presentation
2. Draft Data Management Plan



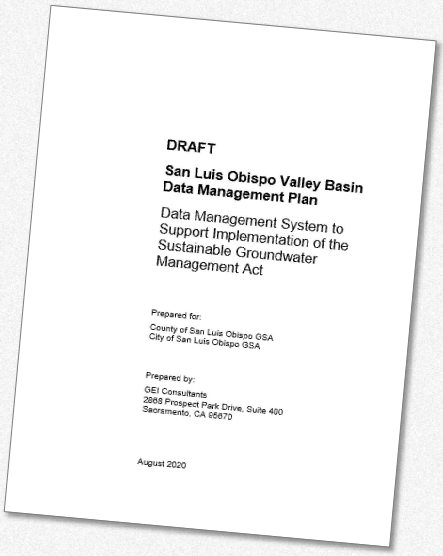
Data Management Plan

Mike Cornelius

Purpose

What is the purpose of the Data Management Plan?

- Introduce SGMA Data Management System (DMS) requirements
- Identify data needs and sources
- Describe the data structure
- Outline the process for collection, review, and upload of data
- Review features of web application



DRAFT

San Luis Obispo Valley Basin
Data Management Plan

Data Management System to Support Implementation of the Sustainable Groundwater Management Act

Prepared for:
County of San Luis Obispo GSA
City of San Luis Obispo GSA

Prepared by:
GEI Consultants
2868 Prospect Park Drive, Suite 400
Sacramento, CA 95670

August 2020

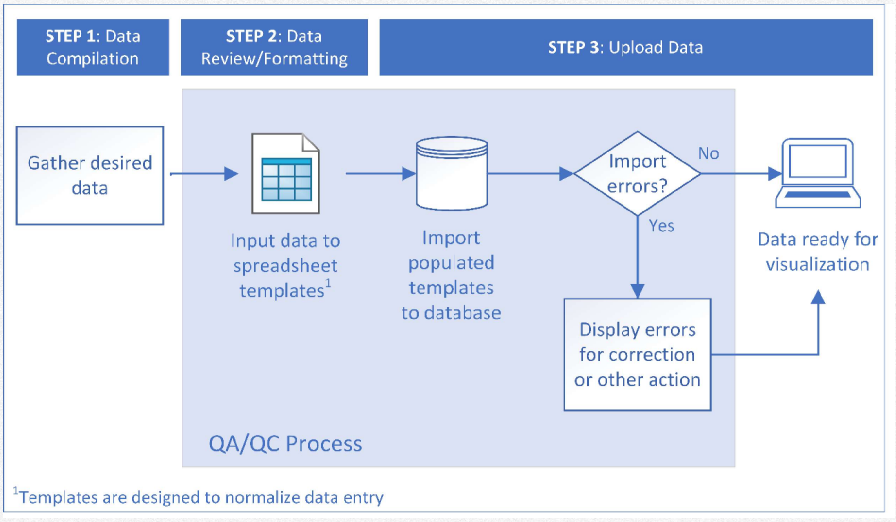
Data Structure

- **Data relevant to each sustainability indicator as defined in SGMA**
- **Additional data that supports GSP preparation or annual reporting**

Sustainability Indicators	Lowering GW Levels	Reduction of Storage	Seawater Intrusion	Degraded Quality	Land Subsidence	Surface Water Depletion
Metric(s) Defined in GSP Regulations	• Groundwater Elevation	• Total Volume	• Chloride concentration isocontour	• Migration of Plumes • Number of supply wells • Volume • Location of isocontour	• Rate and Extent of Land Subsidence	• Volume or rate of surface water depletion

Image source: California Department of Water Resources (DWR) Sustainable Management Criteria Best Management Practice (BMP)

Import Process



HOW TO SUBMIT PUBLIC COMMENT

REVIEW AND COMMENT.

Data Management Plan
Public Comment period will be open tomorrow upon GSC approval and closes 12/30/20

Go to **SLOWaterBasin.com** click on "Review Documents"

PUBLIC MEETINGS.

Learn more or register at **SLOWaterBasin.com**, click on "Calendar"

DRAFT

San Luis Obispo Valley Basin Data Management Plan

Data Management System to Support Implementation of the Sustainable Groundwater Management Act

Prepared for:

County of San Luis Obispo GSA
City of San Luis Obispo GSA

Prepared by:

GEI Consultants
2868 Prospect Park Drive, Suite 400
Sacramento, CA 95670

August 31, 2020

Table of Contents

Figures

Tables

1. Introduction

The purpose of this Data Management Plan (DMP) is to describe the planned Data Management System (DMS) and the process for collection, review, and upload of data used to develop a Groundwater Sustainability Plan (GSP) for the San Luis Obispo Valley Groundwater Basin (SLO Basin). This document does not provide final specifications for a complete DMS. Rather, it describes the data needed to comply with SGMA, the method to be used for data collection, and the plan for DMS development.

1.1 SGMA DMS Requirements

The Sustainable Groundwater Management Act (SGMA) requires development of a DMS. The DMS stores data relevant to development of a groundwater basin's GSP as defined by the GSP Regulations (California Code of Regulations, Title 23, Division 2, Chapter 1.5, Subchapter 2).

The GSP Regulations give general guidelines for a DMS:

> ***§ 352.6. Data Management System***
>
> *Each Agency shall develop and maintain a data management system that is capable of storing and reporting information relevant to the development or implementation of the [Groundwater Sustainability] Plan and monitoring of the basin.*
>
> *Note: Authority cited: Section 10733.2, Water Code.*
> *Reference: Sections 10727.2, 10728, 10728.2, and 10733.2, Water Code.*
>
> ***§ 352.4. Data and Reporting Standards***
>
> *(c) The following standards apply to wells:*
>
> *(3) Well information used to develop the basin setting shall be maintained in the Agency's data management system*
>
> *Note: Authority cited: Section 10733.2, Water Code.*
> *Reference: Sections 10727.2, 10727.6, and 10733.2, Water Code.*
>
> ***§ 354.40. Reporting Monitoring Data to the Department***
>
> *Monitoring data shall be stored in the data management system developed pursuant to Section 352.6. A copy of the monitoring data shall be included in the Annual Report and submitted electronically on forms provided by the Department.*
>
> *Note: Authority cited: Section 10733.2, Water Code.*
> *Reference: Sections 10728, 10728.2, 10733.2, and 10733.8, Water Code.*

To comply with SGMA, the SLO Basin DMS will store data that is relevant to development and implementation of the GSP as well as for monitoring and reporting purposes.

2. Data Needs for SGMA

The SLO Basin is in San Luis Obispo County, California. The county spans multiple groundwater basins – 6 of which are engaged in SGMA activity. Each basin complying with SGMA is required to store data in a DMS. Rather than host several systems, a county-wide DMS will be implemented to support county data initiatives for SGMA and other non-SGMA data initiatives.

Figure 1. Groundwater Basins in San Luis Obispo County[1]

SGMA defines sustainable groundwater management as "the management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing undesirable results."[2] Furthermore, SGMA outlines six undesirable results as follows:[3]

> *One or more of the following effects caused by groundwater conditions occurring throughout the basin:*
>
> *(1) Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply if continued over the planning and implementation horizon. Overdraft during a period of drought is not sufficient to*

[1] Source: California Department of Water Resources, SGMA Data Viewer, accessed August 14, 2020.
[2] §10721(v)
[3] §10721(x)

establish a chronic lowering of groundwater levels if extractions and groundwater recharge are managed as necessary to ensure that reductions in groundwater levels or storage during a period of drought are offset by increases in groundwater levels or storage during other periods.

(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.

The presence or absence of the six undesirable results in a groundwater basin is determined by monitoring and reviewing data for six sustainability indicators (one for each undesirable result). A set of associated measurable objective and minimum threshold will be assigned for each indicator and will be included in the DMS.

There are multiple metrics by which the sustainability indicators may be observed. The sustainability indicators and their respective metrics, as defined in the GSP Regulations and described by the California Department of Water Resources (DWR) in the Sustainable Management Criteria Best Management Practice (BMP) document,[4] are shown in **Figure 2**.

Figure 2. DWR's Sustainability Indicators and Metrics

Sustainability Indicators	Lowering GW Levels	Reduction of Storage	Seawater Intrusion	Degraded Quality	Land Subsidence	Surface Water Depletion
Metric(s) Defined in GSP Regulations	• Groundwater Elevation	• Total Volume	• Chloride concentration isocontour	• Migration of Plumes • Number of supply wells • Volume • Location of isocontour	• Rate and Extent of Land Subsidence	• Volume or rate of surface water depletion

[4] https://water.ca.gov/LegacyFiles/groundwater/sgm/pdfs/BMP_Sustainable_Management_Criteria_2017-11-06.pdf.

Table 1 describes the types of data that may possibly be monitored for each sustainability indicator. Sustainability indicators do not need to be tracked by every available monitoring type.

Table 1. Monitoring data for the SGMA sustainability indicators

Sustainability Indicator	Monitoring Data Types							
					Water Quality			
	Water Level	Extensometer	GPS	InSAR	Chloride	±10 constituents	Stream stages	Well and/or Site Data
Lowering groundwater levels	✓							✓
Reduction of storage	✓							✓
Seawater intrusion	✓				✓			✓
Degraded quality	✓				✓	✓		✓
Land subsidence	✓	✓	✓	✓				✓
Surface water depletion	✓						✓	✓

The DMS will accommodate data relevant to each sustainability indicator. The monitoring data types listed in **Table 1** represent the various data sets required to populate the DMS for tracking sustainability indicators. However, there is additional data that is readily available and may be included in the DMS to assist with preparation of GSPs and to support annual reporting.

3. Data Sources

Table 2 illustrates the data sources that will be used to populate the DMS to support GSP development, sustainability indicator monitoring, and annual reporting. The data categories listed below inform the design of the DMS and support the data needs presented previously in **Table 1**.

Table 2. Data Sources to Populate the DMS

Data Category	State and Federal Data Sources						Local Data Sources	
	California Statewide Groundwater Elevation Monitoring (CASGEM)	Well Logs	California Data Exchange Center (CDEC)	Geotracker Groundwater Ambient Monitoring and Assessment (GAMA)	United States Geological Survey (USGS)	Irrigated Lands Program	Participating Agencies	Other Groundwater Users*
Well and Site Info	✓	✓		✓	✓		✓	✓
Lithology	✓	✓		✓	✓		✓	
Water Level	✓				✓		✓	✓
Water Quality				✓	✓	✓	✓	
Subsidence					✓		✓	
Precipitation			✓				✓	
Land Use							✓	
Surface Water (Diversions, Stream Gages)			✓				✓	
Pumping							✓	✓

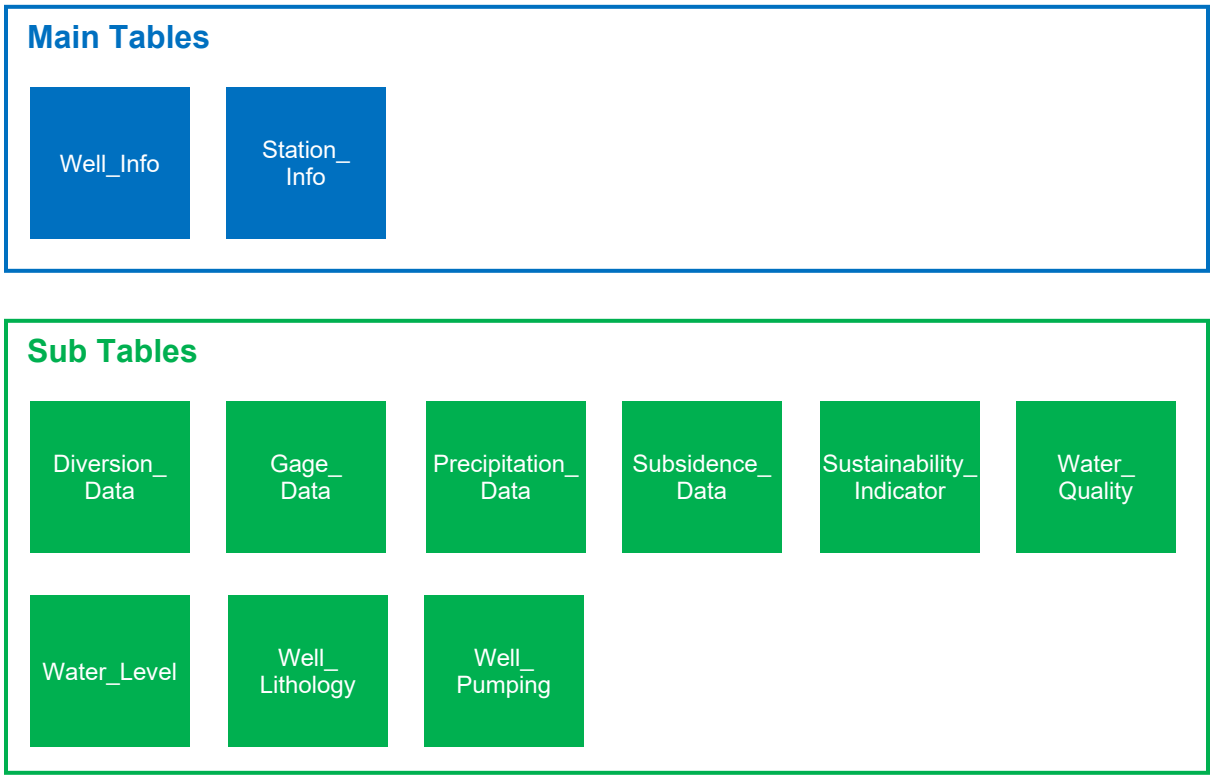
*Private parties and mutual water companies

4. Data Structure

The DMS will be comprised of a database plus an online web viewer. Data stored in the DMS will be separated by categories into tables. The tables shall contain columns and rows of data. Each field will hold a specific type of data, such as a number, text, or date. The planned DMS data tables are shown as **Figure 3**. The figure is color-coordinated to show the relationship between tables:

- **Main tables (Blue)** – Each dataset will be associated with EITHER a well or a station (e.g., extensometer). These are the main tables and include point data with unique identification and locations.
- **Sub tables (Green)** – Sub tables are related to the main tables and hold additional details about a well or site (e.g., correlation of a well with a water level measurement).

Figure 3. DMS Tables



A brief description of the main and sub tables is provided as **Table 3**.

Table 3. DMS Table Descriptions

Table	Description
Main Tables	
Station_Info	Information about type of station (recharge site, diversion, gage, extensometer, GSP) and location information
Well_Info	General information about well, including well construction and screen information
Sub Tables	
Diversion_Data	Diversion volume measurements for a diversion site or managed recharge
Gage_Data	Measurements collected at river or stream gages
Precipitation_Data	Volumetric measurements collected at precipitation monitoring stations
Subsidence_Data	Measurements collected at subsidence monitoring stations (e.g., extensometer)
Sustainability_Indicator	Minimum Thresholds and Measurable Objectives set for monitoring network sites tracking Sustainable Management Criteria for SGMA compliance
Water_Quality	Contains water quality data for wells or any other type of site
Water_Level	Water level measurements for wells
Well_Lithology	Lithologic information at a well site (each well may have many lithologies at different depths)
Well_Pumping	Pumping or recharge measurements for wells

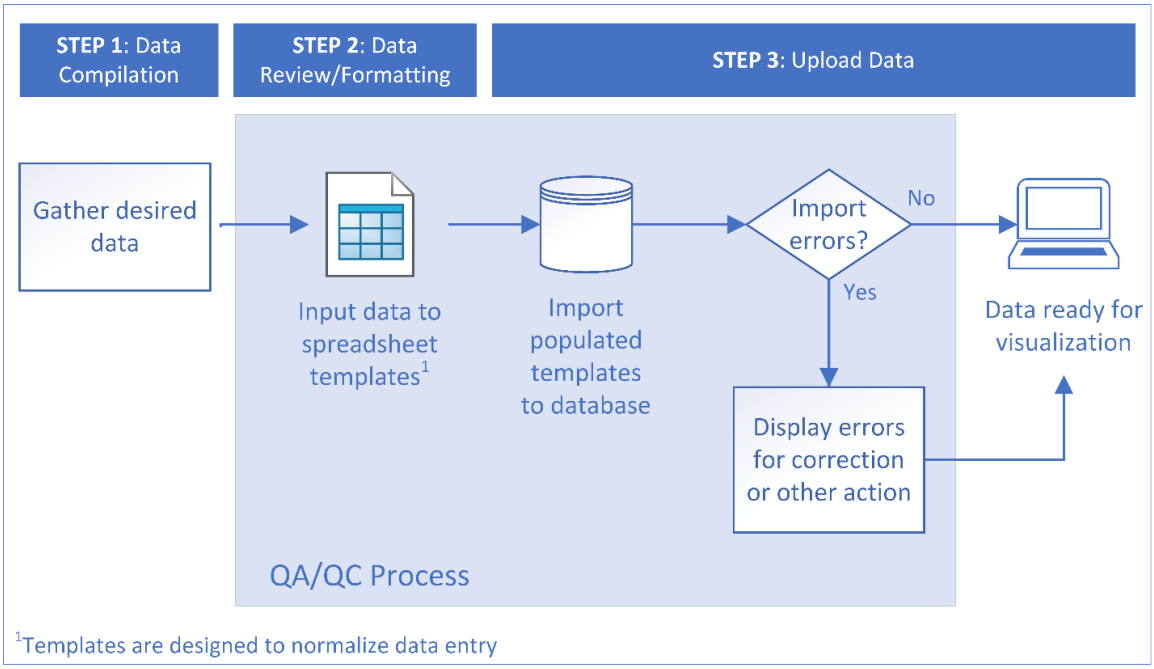
5. Data Import

Importing data to the DMS consists of three steps, as shown on **Figure 4** and listed below:

1. Data compilation
2. Data review and formatting
3. Upload data

The DMS shall be designed to use this process to import data for all basins in San Luis Obispo County. The DMS development team will upload data to support the SLO Basin GSP. Data for other basins will be loaded by other teams' GSP efforts.

Figure 4. Template Import Process for Local Data



5.1 Data Compilation (STEP 1)

Historical data must be gathered to populate the DMS. Select state and federal data (as provided earlier in **Table 2**) for the SLO Basin will be compiled by the GSAs and their consultant(s). Participating agencies and other stakeholders will compile local data and data for other basins in the County.

5.2 Data Formatting and Review (STEP 2)

After the data is compiled, it shall be normalized by use of Microsoft Excel templates designed exclusively for the DMS. Each of the main and sub tables, described previously in **Section 4**, will have a template.

The tables below list and describe the templates planned for the DMS. There are three types of data templates:

- Groundwater well data templates: for data associated with a well.
- Station data templates: for data associated with a station. A station is defined as any site, that isn't a groundwater well, tracking DMS data (e.g., extensometer).
- Independent data templates: for data that is not associated with a single well or station.

Table 4. Well Data Templates

Template	Description
WELL_INFO	Well site information including construction and location
WELL_SCREEN	Screened intervals associated with a well site
WELL_AQUIFER	Aquifers associated with a well site
WELL_LITHOLOGY	Lithologic information at a well site (each well may have many lithologies at different depths)
WELL_WATER_LEVEL	Water level measurements taken at wells
WELL_PUMPING	Pumping or recharge measurements for wells
WELL_WATER_QUALITY	Water quality data collected at well sites
WELL_SUST_INDICATOR	Minimum Thresholds, Measurable Objectives, and Interim Milestones set for wells (not stations)

Table 5. Station Data Templates

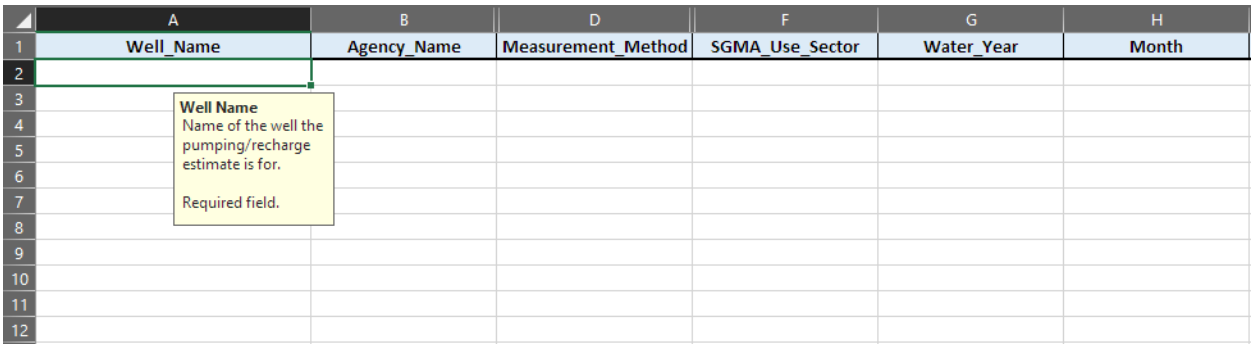
Template	Description
STATION_INFO	Information about a non-well station (e.g., recharge site) and location information
STATION_PRECIPITATION_DATA	Volumetric measurements collected at stations such as precipitation monitoring sites
STATION_SUBSIDENCE_DATA	Measurements from subsidence stations
STATION_GAGE_DATA	Measurements collected at river and stream gages
STATION_WATER_QUALITY	Water quality data collected at non-well stations
STATION_DIVERSION_DATA	Diversion volume measurements for a diversion site or managed recharge
STATION_SUST_INDICATOR	Minimum Thresholds, Measurable Objectives, and Interim Milestones set for stations (not wells)

Table 6. Independent Data Templates

Template	Description
AGENCY	Addresses and other identifying information about the source agencies for data in the system
WATER_YEAR	Water year type (e.g., dry)
DOCUMENT	Document information including file type, name, and file path

The data templates will include rules restricting formatting and alphanumeric properties to provide quality assurance/quality control (QA/QC) and to prevent errors and duplication when importing. The templates include pop-up windows to describe the type of data that should be entered in each column. If a specific filter must be applied, then only values that meet the criteria will appear in a drop-down list. **Figure** 5 provides a screenshot of an example Excel template.

Figure 5. Example Template (Well Pumping)



When data is compiled it must also be reviewed for accuracy. The template restrictions described above provide one level of QA/QC. As a second level of QA/QC, the initial set of compiled historical data will be reviewed by the consulting team before it is migrated into the database. This review will be focused and limited in scope. It will include the following manual checks:

- Identifying outliers that may have been introduced during the original data entry process
- Identifying potential duplication of data
- Removing or flagging questionable data
- Visualizing data in various software platforms outside the DMS to further assess the quality of the data

After the historical data is populated, future data will be reviewed by the County before it is fully imported to the DMS.

5.3 Data Upload (STEP 3)

Once the data is formatted and reviewed it will be uploaded to the DMS and displayed with a visualization tool (described in the next section). When loading the data, an automated check will be run by the DMS to capture errors or duplicates, if any, and a response will be generated to indicate errors so they may be corrected.

The upload templates will be available for download in the DMS interface to load future data.

6. SGMA Data Viewer

The DMS will include a user-friendly web viewer to display the SGMA data including the SGMA-specific sustainable management criteria (SMC) information such as representative monitoring sites, minimum thresholds, measurable objectives, and interim milestones.

The DMS SGMA data will display both with a map view and a detail view. Clicking on a point on the map will reveal details of the selected well or feature. The viewer will generate a hydrograph for points with water level data, and time-series graphs for water quality and subsidence data. The visual design of the Data Viewer (with test data) is shown in **Figure 6.**

Figure 6. Design for Data Viewer

The types of data to be visualized on the map and available via the map's navigation menu are listed in **Table 7**.

Table 7. Map Viewer Navigation

Menu Navigation	Description
Groundwater Levels	Water level data and associated wells with well completion reports.
Groundwater Storage	GSA groundwater storage monitoring network sites.
Water Quality	Water quality well and station data for greater than 100 constituents.
Land Subsidence	Subsidence data from extensometers and other stations plus InSAR data.
Interconnected Surface Water	Data related to the interconnected surface water sustainability indicator such as proximity wells, river and stream gages, precipitation stations, and more.
Seawater Intrusion	Sites tracking the SGMA seawater intrusion sustainability indicator.

Hydrogeologic Conceptual Model (HCM)	Data useful for development of a hydrogeoglogic conceptual model of the basin including suitability of soil for recharge, geologic maps, and fault maps.
Boundaries	GSA and other relevant boundaries.

There are two categories of data displayed on the map viewer: data stored in the DMS and reference data drawn directly from outside sources that is useful for groundwater management. All the data discussed in the previous sections, **3. Data Sources** and **4. Data Structure**, referred to data to be stored in the DMS database. **Table 8** below displays a list of reference data that is available for display in the map viewer but is tied directly to an external source (such as CDEC), not to the data stored in the DMS.

Table 8. Reference Data Not Stored in the DMS Database

Menu Navigation	Data Title	Source
Groundwater Levels	DWR Periodic Groundwater Measurements	• California Natural Resources Agency Open Data Platform https://data.cnra.ca.gov/dataset/periodic-groundwater-level-measurements • Water Data Library http://wdl.water.ca.gov/waterdatalibrary
	DWR Continuous Groundwater Measurements	• https://data.cnra.ca.gov/dataset/continuous-groundwater-level-measurements • http://wdl.water.ca.gov/waterdatalibrary
	USGS Periodic Groundwater Measurements	• https://nwis.waterdata.usgs.gov/usa/nwis/gwlevels
	Seasonal Groundwater Level Reports	DWR Enterprise Water Management database (EWM), which includes water level data previously stored in the DWR Water Data Library and CASGEM databases.
	Well Completion Reports	• https://data.cnra.ca.gov/dataset/well-completion-reports • https://gis.water.ca.gov/arcgis/rest/services/Environment/i07_WellCompletionReports/FeatureServer • https://gis.water.ca.gov/arcgis/rest/services/Environment/i07_WellCompletionReports/MapServer
Water Quality	Water Quality Portal (WQP)	• https://www.waterqualitydata.us/
Land Subsidence	DWR Extensometers	• https://data.cnra.ca.gov/dataset/wdl-ground-surface-displacement
	USGS Extensometers	• https://waterservices.usgs.gov/rest/Site-Test-Tool.html
	TRE ALTAMIRA InSAR Dataset	• Image Server: https://gis.water.ca.gov/arcgisimg/rest/services/SAR • Download @OpenData: https://data.cnra.ca.gov/dataset/tre-altamira-insar-subsidence
	NASA JPL InSAR Dataset	• Image Server: https://gis.water.ca.gov/arcgisimg/rest/services/SAR • Download @OpenData: https://data.cnra.ca.gov/dataset/nasa-jpl-insar-subsidence
Interconnected Surface Water	CDEC Stations	• http://cdec.water.ca.gov/

Menu Navigation	Data Title	Source
Water Budget	Statewide Crop Mapping 2014	• Feature Server: https://gis.water.ca.gov/arcgis/rest/services/Planning/CropMapping2014/FeatureServer • Map Server: https://gis.water.ca.gov/arcgis/rest/services/Planning/CropMapping2014/FeatureServer • Download and API @OpenData: https://data.cnra.ca.gov/dataset/crop-mapping-2014
Hydrogeologic Conceptual Model	UC Davis SAGBI	• California Soil Resource Lab at UC Davis and UC-ANR.
	Soil Survey Geographic Database	• https://services.arcgis.com/P3ePLMYs2RVChkJx/ArcGIS/rest/services/DownloaderBasinsv2/FeatureServer/0 • http://www.arcgis.com/home/item.html?id=c2b408ba5c0a4fe1a79377906935c1a4
	CGS Geologic Map - 750k Generalized	• Metadata: https://maps.conservation.ca.gov/cgs/metadata/GDM_002_GMC_750k_v2_metadata.html • Webmap: https://maps.conservation.ca.gov/cgs/gmc/ • Service: http://spatialservices.conservation.ca.gov/arcgis/rest/services/CGS/GeologicMapCA/MapServer/21
	Quaternary Surficial Deposits	• Project Website: http://www.conservation.ca.gov/cgs/fwgp/Pages/sr217.aspx • Metadata: https://maps.conservation.ca.gov/cgs/metadata/QSD_metadata.html • Webmap: https://maps.conservation.ca.gov/cgs/qsd/ • Service: https://spatialservices.conservation.ca.gov/arcgis/rest/services/CGS/GeologicMapCA/MapServer
	Fault Activity Map of California	• Metadata: https://maps.conservation.ca.gov/cgs/metadata/GDM_006_FAM_750k_v2_metadata.html • Webmap: https://maps.conservation.ca.gov/cgs/fam/ • Service: https://spatialservices.conservation.ca.gov/arcgis/rest/services/CGS/FaultActivityMapCA/MapServer
Boundaries	GSA Boundaries	• DWR Bulletin-118 basin boundaries or as provided by client
	County Boundaries	• https://data.cnra.ca.gov/dataset/california-counties
	Canals and Aqueducts	• https://data.cnra.ca.gov/dataset/canals-and-aqueducts-local
	Disadvantaged Communities Blocks	• https://data.cnra.ca.gov/dataset/census-block-group-2010
	Disadvantaged Communities Places	• https://data.cnra.ca.gov/dataset/census-place-2016
	Disadvantaged Communities Tracts	• https://data.cnra.ca.gov/dataset/census-tract-2010
	Water Agencies	• https://data.cnra.ca.gov/dataset/water-districts
	CASGEM Groundwater Basins Prioritization – 2019 -	• https://data.cnra.ca.gov/dataset/ca-bulletin-118-groundwater-basins

7. DMS User Types

All data stored in the DMS will be accessible by administrative users, based on user permissions. Some sensitive data, such as private well data, may require a higher level of permission to retrieve. These permissions will be determined by the client.

Monitoring sites and their associated datasets are added to the DMS by managing entity administrators. In addition to user permissions, access to the monitoring datasets is controlled through assigning one of three options to the data type as follows:

- **Private data** – Private data are monitoring datasets only available for viewing, depending on user type, by the entity's associated users in the DMS.
- **Shared data** – Shared data are monitoring datasets available for viewing by all users in the DMS, except for public users.
- **Public data** – Public data are monitoring datasets that are available publicly that can be viewed by all user types in the DMS; public datasets may also be published to other websites or DMSs as needed.

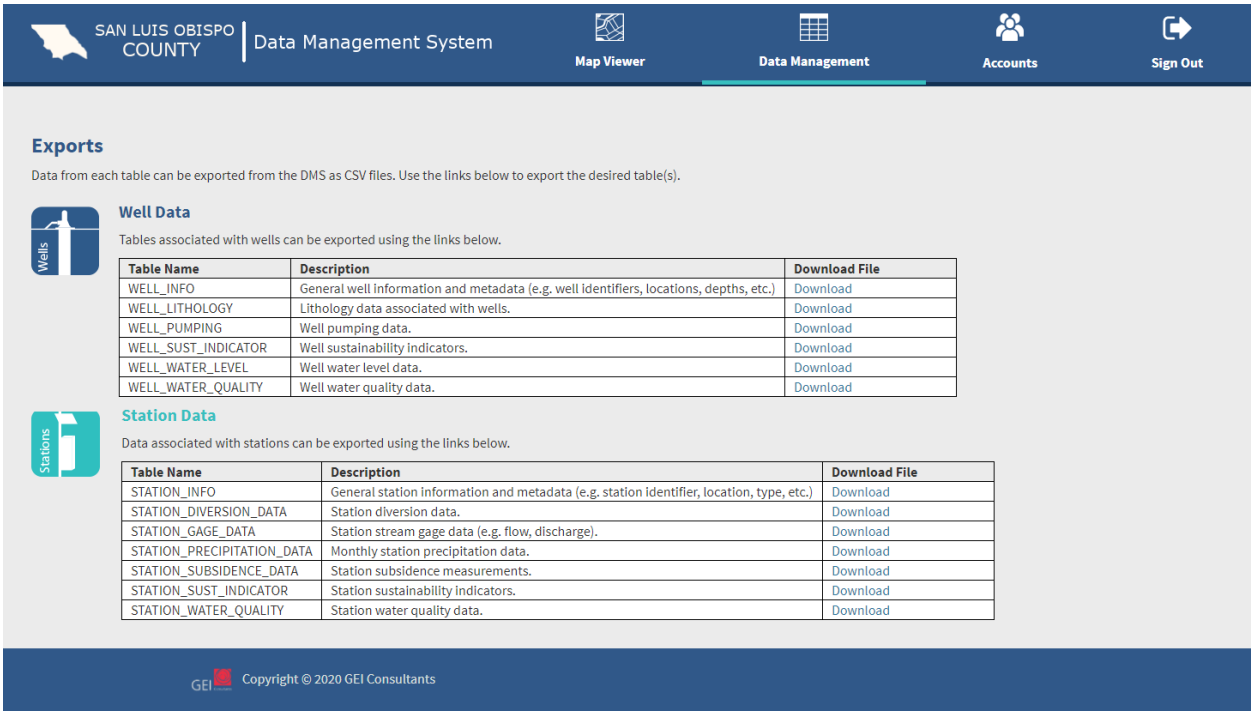
Managing entity administrators can set and maintain data access options for each data type associated with their entity.

8. Data Retrieval

Data may be retrieved in several ways: via the map viewer, by table, or by report type.

- **Map Viewer**: The map viewer will be used to retrieve small amounts of data currently displayed on screen.
- **By Table**: The Exports page will allow for export of entire DMS tables as comma-separated values (CSV) files. **Figure 7** illustrates the design for the Exports page.
- **By Report Type**: Reporting templates will be created to extract the specific group of data required for annual reporting to DWR.

Figure 7. SLO County Exports Page Design



GROUNDWATER SUSTAINABILITY COMMISSION
for the San Luis Obispo Valley Groundwater Basin
September 9, 2020

Agenda Item 11 – 2020 Conflict of Interest Code Biennial Review and Update
(Action Item)

Recommendation
Review the Commission's Conflict of Interest Code (Commission Code) and authorize the Chair to submit the 2020 Local Agency Biennial Notice to the County Administrative Office, Clerk of the Board and check the "No amendment is required" box, or other based on the Commission's review.

Prepared By
Dick Tzou, County of San Luis Obispo

Discussion
The Political Reform Act requires state and local government agencies to adopt and promulgate conflict of interest codes governing the political activities and financial disclosure requirements of certain officers and employees. A conflict of interest code tells public officials, governmental employees, and consultants what financial interests they must disclose on their Statement of Economic Interests (Form 700). Consistent with this requirement, on April 18, 2018, the Commission voted to approve a resolution to adopt the Commission Code (Attachment 1) and requested that the County of San Luis Obispo Office of the Clerk-Recorder be designated as the Commission's filing official.

The Political Reform Act also requires every local government agency to review its conflict of interest code biennially. The Fair Political Practices Commission provides the 2020 Local Agency Biennial Notice form (Attachment 2) for local agencies to complete for submission to the code reviewing body. The Biennial Notice form must be filed with the agency's code reviewing body by October 1, 2020.

Because the Commission Code adopts the State's model code and any subsequent amendments thereto and because no positions have been added that would require an update to the list of designated positions, staff does not believe any amendments are required at this time.

Attachments
1. Commission Code
2. 2020 Local Agency Biennial Notice

* * *

Conflict of Interest Code Review

Dick Tzou

Exhibit A

CONFLICT OF INTEREST CODE OF THE GROUNDWATER SUSTAINABILITY COMMISSION

The Political Reform Act (Gov. Code, § 81000, et. seq.) requires state and local government agencies to adopt and promulgate conflict of interest codes governing the political activities and financial disclosure requirements of certain of their officers and employees. The Fair Political Practices Commission ("FPPC") has adopted a regulation (Cal. Code Regs., tit. 2, § 18730) that contains the terms of a standard conflict of interest code, which may be adopted by local agencies and its provisions incorporated by reference as the agency's code. After public notice and hearing, the FPPC may amend section 18730 to conform to amendments in the Political Reform Act. Therefore, the terms of Title 2 of the California Code of Regulations, section 18730, and any amendments to it duly adopted by the FPPC are hereby adopted and incorporated herein by reference as the Conflict of Interest Code of the Groundwater Sustainability Commission ("the Commission"), together with the attached appendices, designating positions (Appendix A) and establishing disclosure requirements (Appendix B).

Individuals holding designated positions shall file their statements of economic interests with the County of San Luis Obispo Clerk-Recorder, who is hereby designated as the filing official for all statements of economic interest filed pursuant to this code. All statements will be retained by the County Clerk-Recorder in accordance with applicable law, and, upon request by any member of the public, such statements will be made available for public inspection and reproduction in accordance with Government Code Section 81008. Upon the Commission's behalf, the County Clerk-Recorder will maintain the statements at the clerk's office located at 1055 Monterey Street, Suite D120, San Luis Obispo, CA 93408.

RESOLUTION NO. 2018- 001

RESOLUTION OF THE GROUNDWATER SUSTAINABILITY COMMISSION ADOPTING A CONFLICT OF INTEREST CODE

WHEREAS, the Political Reform Act (Gov. Code § 81000 et seq.), requires every state and local government agency to adopt and promulgate a conflict of interest code in accordance with Government Code section 87300; and

WHEREAS, the Fair Political Practices Commission ("FPPC") has adopted a regulation (Cal. Code Regs., tit. 2, § 18730) that contains terms of a standard model conflict of interest code (hereafter "the model code"); and

WHEREAS, adoption of the model code by the Groundwater Sustainability Commission will help ensure compliance by said Commission with the Political Reform Act;

NOW, THEREFORE, be it resolved and ordered by the Groundwater Sustainability Commission that:

1. The Conflict of Interest Code for the Groundwater Sustainability Commission (hereafter "the Code"), attached hereto as Exhibit A and incorporated herein by this reference, is hereby adopted.

2. Those officials and employees designated in Appendix A of the Code, whether elected, appointed, or otherwise hired, shall file statements of economic interests with the County of San Luis Obispo Clerk-Recorder, upon assuming office, leaving office, and during each year in office disclosing those financial interests set forth in Appendix B of the Code.

3. The County of San Luis Obispo Engineer, or his/her designee, is hereby directed to act as the Conflict of Interest Code coordinator for purposes of coordinating implementation of the Code with the Clerk-Recorder of the County of San Luis Obispo and is hereby directed to submit for approval the Conflict of Interest Code to the County of San Luis Obispo in accordance with Government Code section 87303.

PASSED AND ADOPTED by the Groundwater Sustainability Commission at a meeting held on the 18th day of April 2018 by the following vote:

AYES, and all in favor, thereof, Commission Members: Hill, Pease, Fernandez, Vice Chairperson Zimmer and Chairperson Schiebelhut

NOES, Members: None
ABSENT, Members: None
ABSTAIN, Members: None

Chairperson, Groundwater Sustainability Commission

ATTEST: _____

Exhibit A

CONFLICT OF INTEREST CODE OF THE GROUNDWATER SUSTAINABILITY COMMISSION

The Political Reform Act (Gov. Code, § 81000, et. seq.) requires state and local government agencies to adopt and promulgate conflict of interest codes governing the political activities and financial disclosure requirements of certain of their officers and employees. The Fair Political Practices Commission ("FPPC") has adopted a regulation (Cal. Code Regs., tit. 2, § 18730) that contains the terms of a standard conflict of interest code, which may be adopted by local agencies and its provisions incorporated by reference as the agency's code. After public notice and hearing, the FPPC may amend section 18730 to conform to amendments in the Political Reform Act. Therefore, the terms of Title 2 of the California Code of Regulations, section 18730, and any amendments to it duly adopted by the FPPC are hereby adopted and incorporated herein by reference as the Conflict of Interest Code of the Groundwater Sustainability Commission ("the Commission"), together with the attached appendices, designating positions (Appendix A) and establishing disclosure requirements (Appendix B).

Individuals holding designated positions shall file their statements of economic interests with the County of San Luis Obispo Clerk-Recorder, who is hereby designated as the filing official for all statements of economic interest filed pursuant to this code. All statements will be retained by the County Clerk-Recorder in accordance with applicable law, and, upon request by any member of the public, such statements will be made available for public inspection and reproduction in accordance with Government Code Section 81008. Upon the Commission's behalf, the County Clerk-Recorder will maintain the statements at the clerk's office located at 1055 Monterey Street, Suite D120, San Luis Obispo, CA 93408.

CONFLICT OF INTEREST CODE FOR THE

GROUNDWATER SUSTAINABILITY COMMISSION

APPENDIX A - Designated Position List

Position	Disclosure
Category	
Groundwater Sustainability Commission Members	1,2
City of San Luis Obispo Deputy Director of Utilities	1,2
County of San Luis Obispo Engineer	1,2
Consultants/New Positions	*

Note: The position of Attorney is filled by an outside consultant, but acts in staff capacity.

*Consultants/new positions shall be included in the list of designated positions and shall disclose pursuant to the broadest disclosure category in the code subject to the following limitations:

The Commission may determine in writing that a particular consultant or new position, although a "designated position," is hired to perform a range of duties that is limited in scope and thus is not required to comply fully with the disclosure requirements described in this section. Such determination shall include a description of the consultant's or new position's duties and, based upon that description, a statement of the extent of disclosure requirements. The Commission's determination is a public record and shall be retained for public inspection in the same manner and location as this conflict of interest code. (Gov. Code Section 81008.)

APPENDIX B – Disclosure Categories

1. Investments and business positions in business entities, and income, including receipt of loans, gifts, and travel payments, from sources of the type that provide services, supplies, materials, machinery, or equipment of the type utilized by the Commission.

2. Interests in real property located within the jurisdiction of the Commission, or within two miles of the jurisdictional boundaries of the Commission, or within two miles of any land owned or used by the Commission.

2020 Local Agency Biennial Notice

Name of Agency: _____

Mailing Address: _____

Contact Person: _____ Phone No. _____

Email: _____ Alternate Email: _____

Accurate disclosure is essential to monitor whether officials have conflicts of interest and to help ensure public trust in government. The biennial review examines current programs to ensure that the agency's code includes disclosure by those agency officials who make or participate in making governmental decisions.

This agency has reviewed its conflict of interest code and has determined that *(check one BOX):*

☐ **An amendment is required. The following amendments are necessary:**

(Check all that apply.)

- ☐ Include new positions
- ☐ Revise disclosure categories
- ☐ Revise the titles of existing positions
- ☐ Delete titles of positions that have been abolished and/or positions that no longer make or participate in making governmental decisions
- ☐ Other *(describe)* _____

☐ **The code is currently under review by the code reviewing body.**

☐ **No amendment is required.** (If your code is over five years old, amendments may be necessary.)

Verification (to be completed if no amendment is required)

This agency's code accurately designates all positions that make or participate in the making of governmental decisions. The disclosure assigned to those positions accurately requires that all investments, business positions, interests in real property, and sources of income that may foreseeably be affected materially by the decisions made by those holding designated positions are reported. The code includes all other provisions required by Government Code Section 87302.

_____ _____

Signature of Chief Executive Officer *Date*

All agencies must complete and return this notice regardless of how recently your code was approved or amended. Please return this notice no later than **October 1, 2020**, or by the date specified by your agency, if earlier, to:

County Administrative Office
Wade Horton, Clerk of the Board
1055 Monterey St. Ste. D430
San Luis Obispo, CA 93408

PLEASE DO NOT RETURN THIS FORM TO THE FPPC.