

NOTICE AND AGENDA OF MEETING

GROUNDWATER SUSTAINABILITY AGENCY FOR THE EASTERN MANAGEMENT AREA IN THE SANTA YNEZ RIVER GROUNDWATER BASIN

HELD AT

SOLVANG CITY COUNCIL CHAMBERS, 1644 OAK STREET, SOLVANG CA

AT 6:30 P.M., THURSDAY, OCTOBER 24, 2019

AGENDA

- I. Call to Order and Roll Call
- II. Pledge of Allegiance
- III. Introductions and review of SGMA in the Santa Ynez River Valley Basin
- IV. Additions or Deletions to the Agenda
- V. Public Comment (Any member of the public may address the GSA Committee relating to any non-agenda matter within the Committee's jurisdiction. The total time for all public comment under this item shall not exceed fifteen minutes and the time allotted for each individual shall not exceed five minutes. No action will be taken by the Committee at this meeting on any public comment item.)
- VI. Review and consider approval of minutes of last Committee meeting of July 25, 2019
- VII. Review and consider approval of amended meeting minutes of October 25, 2018; January 24, 2019 and April 25, 2019
- VIII. Receive EMA GSA financial update and approve EMA Warrant List
- IX. Receive and discuss Intra-Basin Administrative Agreement between three GSAs and consider EMA endorsement/recommendation for all GSA agencies in the Basin to adopt the Agreement.
- X. Receive report from EMA Citizens Advisory Group (CAG) on Draft Communication and Engagement Plan for EMA
- XI. Receive Draft Data Management Plan for the EMA and consider initiating 60-day CAG review and public comment process
- XII. Consultant GSP activities
 - A. Receive update on GSI's GSP activities in EMA
 - B. Receive brief overview by Stetson Engineers on their GSP activities in Santa Ynez Basin (Curtis Lawler and Miles McCammon)
- XIII. Receive list of regular GSA meetings for 2020. Next EMA GSA Meeting: Thursday, February 27, 2020, 6:30 PM, at the Solvang City Council Chambers, 1644 Oak Street, Solvang, CA
- XIV. EMA GSA Committee requests and comments
- XV. Adjournment

[This notice and agenda was posted at the following locations at least 72 hours prior to the scheduled meeting: Solvang City Hall, 1644 Oak Street, Solvang, CA and SYRWCD District Office at 3669 Sagunto Street, Suite 101, Santa Ynez, California, and SYRWCD, ID No.1 District Office at 3622 Sagunto Street, Santa Ynez, California. In addition, this meeting notice and agenda was posted on-line at: <http://www.SYRWCD.com> and http://www.countyofsb.org/pwd/gsa_sbc. In accordance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Santa Ynez River Water Conservation District at (805) 693-1156. Notification 72 hours prior to the meeting will enable the GSA to make reasonable arrangements to ensure accessibility to this meeting.]

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MEETING MINUTES

Groundwater Sustainability Agency for the Eastern Management Area in the Santa Ynez River Groundwater Basin

A regular meeting of the Groundwater Sustainability Agency (GSA) for the Eastern Management Area (EMA) in the Santa Ynez River Groundwater Basin was held on Thursday, July 25, 2019, at 6:30 PM at the City of Solvang, Council Chambers, 1644 Oak Street, Solvang, California.

EMA GSA Committee Members Present:

Brad Joos Brett Marymee Karen Waite Meighan Dietenhofer (Acting as Alternate)

EMA GSA Committee Members Absent:

Joan Hartmann

Alternate EMA GSA Committee Members Present:

Cynthia Allen

Member Agency Staff Present:

Bill Buelow Paeter Garcia Amber Thompson Kevin Walsh Matt Young

Others Present: Fourteen members of the public

I. Call to Order

Mr. Marymee called the meeting to order at 6:30 p.m. and asked Mr. Buelow to Call Roll. All Committee Members were present except for Supervisor Hartmann. Ms. Dietenhofer acted as her Alternate. Mr. Buelow thanked the City of Solvang for use of the City Council Chambers.

II. Pledge of Allegiance

Mr. Marymee asked Ms. Allen to lead the Pledge of Allegiance.

III. Introductions and Review of SGMA in Santa Ynez River Valley Basin

Mr. Marymee asked Mr. Buelow to make introductions. Mr. Buelow welcomed all in attendance and invited all to introduce themselves and say who they represent, if applicable.

Mr. Buelow reviewed history of the Sustainable Groundwater Management Act (SGMA) requirements and what has been completed so far in the Santa Ynez River Valley Groundwater Basin, including the creation of the three GSAs in the Basin (EMA, CMA, WMA), securing the DWR Prop. 1 Grant (Grant) funding and hiring of Consultants to prepare Groundwater Sustainability Plans (GSPs) by the State deadline of January 31, 2022.

IV. Additions or Deletions to the Agenda

No additions or deletions were made.

V. Public Comment

There was no public comment.

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VI. Review and Consider Approval of Minutes

The minutes of the regular meeting of the EMA GSA on April 25, 2019 were considered for Committee approval.

Mr. Joos made a MOTION to approve the minutes. Ms. Waite seconded. The motion passed unanimously.

VII. Receive EMA GSA financial update and approve EMA Warrant Lists

The Committee reviewed the financial reports of FY 2018-19 Periods 1 through 11 (through May 31, 2019). Mr. Buelow reported all deposits made into the EMA Checking account were from Santa Ynez River Water Conservation District (SYRWCD); this checking account is held in SYRWCD's name with the title "EMA Account" specifically to be used for SGMA activities in the EMA; and the financial reports for Period 12 (June 2019) were not available from the bookkeeper prior to this meeting.

The Committee approved unanimously the January, February, March, April, May and June Warrant Lists as presented (nos. ACH Debit – 1001). Mr. Joos made a MOTION to approve the warrant lists and financial reports. Ms. Waite seconded. The motion passed unanimously.

VIII. Receive update on the Draft Intra-Basin Area Administrative Agreement between three GSAs

Mr. Buelow reported that Agency Staff continue to work along with Agency Attorneys on finalizing a Draft Intra-Basin Administrative Agreement (Agreement) between the three GSAs in the Santa Ynez River Valley Basin (Basin). The Agreement will formalize certain administrative matters between the three GSAs such as cost sharing, distribution of grant funds, and coordinating to deliver the three GSPs. A Draft Agreement was circulated in mid-June 2019 to the various Agencies in each GSA for review by their respective staff and legal counsel. Attorneys have been working on resolving comments. When the Draft Agreement is approved by Agency Attorneys, it is expected to be distributed to the three GSA Committees for review and endorsement in October 2019. After endorsement by the three GSA Committees, the Draft will go to the respective Board/Council of each of the GSA Agencies for approval. No action was needed or taken by the committee.

IX. Receive update on GSP consultant coordination between three GSAs and consider approval of additional Stetson Task Order(s) to be administered under First Amendment to existing agreement between SYRWCD and Stetson Engineers

Mr. Buelow reported that per Committee's request for additional coordination between EMA and other two GSAs in Basin, Agency Staff have agreed to use SYRWCD existing SGMA contract with Stetson Engineers adding an amendment to perform coordination work in the EMA between the other two GSAs. Staff from ID No. 1 and SYRWCD are working to finalize that amendment to the contract to include work in the EMA.

SYRWCD distributed a cost share letter to the other agencies in the EMA which proposes a cost share for this Task Order to be split between City of Solvang, ID No. 1 and SYRWCD based on voting with the County not contributing since they are funding the study for the GSP in the EMA. Amendment No. 1 to the Memorandum of Agreement has been drafted and once it is approved, SYRWCD can proceed with issuing the Task Order to Stetson Engineers.

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X. Citizen Advisory Group (CAG) for the Eastern Management Area

A. Receive recommendation from Ad-Hoc Committee on EMA CAG applicant selection

Mr. Joos reported he and Ms. Hartmann, as an Ad-Hoc Committee, met and reviewed the CAG applications received of which they chose 7 people who they felt well represented the community. They recommend these 7 applicants for the EMA CAG by the Ad-hoc Committee are:

- **Mr. Sam Cohen**, California Native American Tribe;
- **Ms. Elizabeth Farnum**, Domestic Well Owner;
- **Mr. Tim Gorham**, Resident, Landowner, Representative of a Landowner;
- **Ms. Mary Heyden**, Resident, Landowner, AG Well Owner, Representative of Landowner;
- **Ms. Gay Infanti**, Resident;
- **Mr. Charles (C.J.) Jackson**, Resident, Landowner, AG Well Owner, Representative of Landowner; and
- **Mr. Kevin Merrill**, Domestic and AG Well Owner, Representative of Landowner.

Mr. Marymee thanked the EMA CAG Members for volunteering their time and being part of this process.

B. Consider EMA CAG member selections

The Committee considered and discussed the recommendation of the Ad-Hoc Committee including designations and diversity of CAG representatives. Mr. Joos emphasized the importance of public input for SGMA and not just rely on input by CAG only. Mr. Buelow thanked all applicants.

There was no public comment.

Ms. Waite made a MOTION to accept the recommendation of the Ad-Hoc Committee and establish a CAG for the EMA comprised of the seven applicants as recommended. Mr. Joos seconded. The motion passed unanimously.

XI. Consultant GSP activities

A. Receive Draft Communication and Engagement Plan and consider approval of release for EMA CAG and public review

Mr. Young reported that as part of the Memorandum of Agreement between the City of Solvang, County of Santa Barbara, ID No. 1 and SYRWCD, the County of Santa Barbara agreed to fund a Technical Study in preparation to develop a Groundwater Sustainability Plan (GSP). Groundwater Solutions, Inc. (GSI) was selected to perform the Technical Study. GSI prepared a Draft Communications and Engagement Plan to meet specific requirements of DWR. The plan outlines how the GSA will communicate, make decisions, as well as identify and engage stakeholders. GSI will be coordinating with Stetson Engineers, the consultant hired to prepare GSPs for the CMA and WMA, to ensure consistency between the three Management Areas.

Groundwater Communication Portal (GCP) is currently being developed by the consultants for EMA, CMA and WMA to be used by all three GSAs in the Basin. It will

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be an online place to sign up to receive emails, provide comments of documents and host calendars with meeting dates, agendas and documents. Consultants estimate three weeks until completion. The portal will be available to the public and staff on the SGMA website being developed by SYRWCD.

B. Receive update on Draft Data Management Plan

Mr. Young reported that the Data Management Plan (Plan) is being developed. The Plan outlines creation of a Data Management System (DMS). The DMS is a software tool that will organize data being gathered and will be used in developing the Visualization Tool, Groundwater Budget and Hydrogeologic Model. Agency Staff is reviewing a Draft DMP and is expected to come to the Committee at the October meeting for review.

C. Receive update on other on-going GSP activities

Mr. Young and Mr. Buelow reported that some data to be entered into the Data Management System (DMS) is yet to be received but is anticipated to be delivered soon.

XII. Consideration and discussion of moving EMA GSA meetings to second week of second month of quarter starting in February 2020

Mr. Buelow requested moving the regular meetings for the EMA Committee from the fourth Thursday in the first month of each quarter to either the second or fourth Thursday in the second month of each quarter still being held at 6:30 PM at the Solvang City Council Chambers. It will allow for complete quarterly financial reporting and timely reporting on the quarterly progress report provided to DWR for the Prop. 1 Grant to the Committee. All Committee members were ok with the proposed change to either the second or fourth week of the second month each quarter. Ms. Dietenhofer requested Mr. Buelow contact Ms. Hartmann's office for her availability.

XIII. Next Regular Meeting

The next Regular EMA Committee meeting will be Thursday, October 24, 2019, 6:30 PM at the City of Solvang City Council Chambers, located at 1644 Oak Street, Solvang, CA.

XIV. EMA GSA Committee requests and comments

Ms. Waite suggested the EMA CAG should read the article regarding the Cuyama's "Pay to Pump". Mr. Joos requested Mr. Buelow scan the article and forward it to the EMA CAG.

XII. Adjournment

There being no further business, Ms. Waite made a MOTION to adjourn the meeting at 7:23 pm. Mr. Joos seconded.

Respectfully submitted,

William J Buelow, Secretary

ATTEST:

Brett Marymee, Chair

MEETING MINUTES

Groundwater Sustainability Agency for the Eastern Management Area in the Santa Ynez River Groundwater Basin

A regular meeting of the Groundwater Sustainability Agency (GSA) for the Eastern Management Area (EMA) in the Santa Ynez River Groundwater Basin was held on October 25, 2018, at 1:00 PM at the Santa Ynez CSD Community Room, 1070 Faraday Street, Santa Ynez, California.

Committee Members Present:

Brett Marymee	Karen Waite	Kevin Walsh
Elizabeth Farnum (Acting as Alternate)		

Alternate Members Present:

Cynthia Allen	Paeter Garcia
Ryan Toussaint	

Staff Present:

Bill Buelow	Chris Dahlstrom	Amber Thompson
Matt van der Linden	Bruce Wales	Matt Young

Others Present:

Jeff Barry	Richard Camera	Sam Cohen
Nancy Emerson	Tim Gorham	Mark Griuetti
Mary Heyden	Gay Infanti	Mark Infanti
Matt Naftaly	Eric Tambini	Tim Thompson
Al Wagner		

I. Call to Order

Mr. Buelow called the meeting to order at 1:00 p.m. and welcomed all in attendance.

II. Introductions

Mr. Buelow invited all in attendance to introduce themselves and say who they represent, if applicable.

III. Pledge of Allegiance

Mr. Buelow led the Pledge of Allegiance.

IV. Designation of EMA GSA Committee

Mr. Buelow provided background regarding formation of the EMA GSA and what agencies are involved and participating in the EMA GSA Committee. He circulated a map of the three Management Areas in the Basin.

V. Overview of SGMA

Mr. Buelow reviewed history of the Sustainable Groundwater Management Act (SGMA) requirements and what has been completed so far in the Santa Ynez River Basin including the creation of the three GSAs in the Basin (EMA, CMA, WMA) and the DWR Prop. 1 Grant funding.

Public comments and discussion ensued regarding public involvement and representation in the EMA SGMA process.

VI. Additions, if any, to the Agenda

No additions were made.

VII. Public Comment

Mr. Buelow requested public comments from the audience. No comments were made.

VIII. Designation of EMA GSA Committee Officers

Ms. Waite made a MOTION to nominate Mr. Walsh for the Chair position of the EMA GSA Committee. Ms. Farnum seconded. The motion passed unanimously.

Mr. Walsh made a MOTION to nominate Mr. Marymee for the Vice-Chair position of the EMA GSA Committee. Ms. Waite seconded. The motion passed unanimously.

Having been elected as Chair, Mr. Walsh proceeded with the meeting.

Mr. Walsh suggested Agenda Items IX and X be moved and to proceed next with Item XI. The Committee agreed.

XI. EMA GSA Committee Recommendation for County Water Agency to Select Consultant for GSP Activities in the Eastern Management Area of the Santa Ynez River Valley Basin

a. Staff Report and Recommendation

Mr. Buelow presented a Staff Memorandum and Recommendation dated October 25, 2018 to the Committee regarding the County Water Agency's upcoming selection of a consultant for certain technical work in support of a Groundwater Sustainability Plan (GSP) for the EMA.

b. Committee Discussion and Recommendation

The Committee considered and discussed the Staff Memorandum and Recommendation. Mr. Walsh asked the public, including the consultants in attendance, for comments.

Matt Naftaly from Dudek addressed the Committee and advised that Dudek already has teamed with Stetson Engineers and revisions can be made and submitted in writing. He requested an opportunity to provide another proposal for consideration.

Jeff Barry from GSI addressed the Committee and advised that GSI is comfortable with Stetson Engineers being added to the GSI team.

Public comment was provided that the expense of potential new monitoring well appeared to be high. Mr. Buelow discussed the purpose of potential new monitoring well and the possibility that such a well may not be needed based on future studies.

Mr. Walsh asked whether the County Water Agency should bring in both consulting firms for a final negotiation to honor request from Dudek. Mr. Young noted that was a possibility. Ms. Waite suggested that the Committee proceed in accordance with the Staff Memorandum and Recommendation.

~~Mr. Walsh~~
Ms. Waite made a MOTION that the EMA GSA Committee recommends that the County Water Agency negotiate a contract for professional services with GSI based on the further recommendation that GSI brings Stetson Engineers onto their team to work on the technical aspects of the GSP. Mr. Marymee seconded. The motion passed on the following roll call vote:

AYES, Committee Members: Farnum (Alternate), Marymee,
Waite, Walsh
NOES, Committee Members: None

IX. Conflict of Interest and Form 700 Requirements

Mr. Buelow explained to the Committee that the EMA GSA must establish a Conflict of Interest Code. The Code will need to be adopted by Resolution within six months of assuming office, which happens at today's meeting.

Additionally, each EMA GSA Committee Member, Alternative Committee Member, and certain other designated positions must complete a new Form 700 for "Assuming Office" within 30 days of this meeting. Ms. Thompson circulated Form 700s to applicable persons in attendance. Mr. Buelow advised that Santa Ynez River Water Conservation District (SYRWCD) is working as the coordinating agency for all three GSAs in the Basin and, as such, all initial Form 700s should be submitted in paper form to SYRWCD until the Conflict of Interest Code is approved and the EMA GSA is set up

in the County online submittal system. Mr. Buelow let all know that if they have questions, they could contact him at the SYRWCD office.

Ms. Farnum made a MOTION for staff of the EMA GSA agencies to prepare a proposed Conflict of Interest Code for the EMA GSA by the next meeting. Ms. Waite seconded. The motion passed unanimously.

X. Request Committee Direction to Prepare Amendment to the Memorandum of Agreement Regarding Administrative Matters

Mr. Buelow advised that in 2017 a Memorandum of Agreement (MOA) was signed to form the EMA GSA, where the MOA provided for future amendment(s) to address specific governance, administrative, financial, and other issues. Committee discussion followed regarding how votes in the EMA GSA are to be made in relation to decisions by the respective home agencies of the GSA.

Public comments and discussion ensued regarding representation for independent ranches and properties outside the boundaries of SYRWCD, ID No.1, and City of Solvang, and whether they are represented by the County as a participating agency of the EMA GSA. Related comments and discussion identified stakeholder outreach as an important part of SGMA.

Ms. Waite made a MOTION for staff of the EMA GSA agencies to begin preparing a draft amendment to the MOA to further address specific governance, administrative, financial, and other issues. Mr. Marymee seconded. The motion passed unanimously.

XII. Committee Discussion on Setting the Next and Regular Meeting Dates and Time for the EMA GSA Committee

Mr. Buelow suggested setting regular quarterly meetings for the EMA GSA Committee. Mr. Walsh agreed and suggested that meetings be held on the on the 4th week in the 1st month of each Quarter in Santa Ynez (location to be determined). Mr. Marymee suggested Thursday evenings with a 6:30 p.m. start time.

Mr. Marymee made a MOTION for regular quarterly meetings of the EMA GSA Committee to be held on the 4th Thursday in the 1st month of each Quarter beginning at 6:30 p.m. at a location to be determined in ~~Santa Ynez~~. Ms. Waite seconded. The motion passed unanimously.

the EMA

Future meeting dates set are January 24, 2019, April 25, 2019, July 25, 2019 and October 24, 2019.

XIII. EMA GSA Committee Requests and Comments

Ms. Farnum, appearing as an Alternate Committee Member, requested discussion of an Advisory Committee at the next EMA GSA Committee meeting.

XIV. Adjournment

There being no further business, Chairman Walsh adjourned the meeting at 2:41 p.m.

Respectfully submitted,

William J. Buelow, Secretary

ATTEST:

Kevin Walsh, Chairman (former)

Brett Marymee, Chairman

MEETING MINUTES

Groundwater Sustainability Agency for the Eastern Management Area in the Santa Ynez River Groundwater Basin

A regular meeting of the Groundwater Sustainability Agency (GSA) for the Eastern Management Area (EMA) in the Santa Ynez River Groundwater Basin was held on Thursday, January 24, 2019, at 6:30 PM at the City of Solvang, Council Chambers, 1644 Oak Street, Solvang, California.

EMA GSA Committee Members Present:

Joan Hartmann Brett Marymee Karen Waite Kevin Walsh

Alternate EMA GSA Committee Members Present:

Cynthia Allen

Member Agency Staff Present:

Bill Buelow Amber Thompson Matt van der Linden Matt Young

Others Present:

Meighan Dietenhofer Mark DuBose Tim Gorham Jefferson Litten
Gay Infanti Mark Infanti Eric Tambini

I. Call to Order

Mr. Walsh called the meeting to order at 6:31 p.m. and asked Mr. Buelow to Call Roll. All Committee Members were present.

II. Pledge of Allegiance

Mr. Walsh led the Pledge of Allegiance.

III. Introductions and Review of SGMA in Santa Ynez River Valley Basin

Mr. Walsh invited all in attendance to introduce themselves and say who they represent, if applicable. Mr. Walsh welcomed and thanked all in attendance.

Mr. Buelow reviewed history of the Sustainable Groundwater Management Act (SGMA) requirements and what has been completed so far in the Santa Ynez River Valley Groundwater Basin, including the creation of the three GSAs in the Basin (EMA, CMA, WMA) and the DWR Prop. 1 Grant (Grant) funding.

Mr. Buelow requested public comments or questions from the audience. Mr. Walsh requested staff from the member agencies of the GSA to prepare a brief written history/summary/timeline of SGMA activities in the Basin similar to Mr. Buelow's verbal review to be made available for Committee Members, staff and the public and he requested it be updateable so all can be aware of additions to activities at the same time.

IV. Additions or Deletions to the Agenda

No additions were made.

V. Public Comment

There was no public comment.

VI. Review and Approve Minutes

The minutes of the regular meeting of the EMA GSA on October 25, 2018 were considered for Committee approval. Ms. Waite noted that item XI (b) on page 3 should be corrected to read “Ms. Waite made a motion”, instead of Mr. Walsh and to remove the prior sentence. Mr. Marymee noted that item XII on page 4 should be corrected to reflect the motion referring to the EMA as the correct location instead of Santa Ynez.

Mr. Marymee made a MOTION to approve the minutes as amended. Ms. Waite seconded. The motion passed on vote of 3-0-1 with Ms. Hartmann abstaining.

VII. Staff update on Consultant for GSP activities in the Eastern Management Area

Mr. Young provided background on the consultant selection. Mr. Young advised that the County Water Agency, at the recommendation of the EMA GSA, offered a contract to the team led by GSI and requested the addition of Stetson to the team. GSI and Stetson were unable to come to an agreement on the scope of work and level of involvement to include Stetson in that team. Staff thus developed an alternate approach that the three non-county agencies contract Stetson Engineers to coordinate and collaborate with GSI’s team on the GSP to ensure coordination between the three GSAs in the Basin. Mr. Young indicated that budget for collaboration between GSI and the other two GSAs is already included in the contract between GSI and the County. Staff will work together to develop a contract for Stetson. Mr. Young informed the Committee that the GSI contract with the County is scheduled to go to the Board of Supervisors for approval on February 12, 2019.

Mr. Walsh inquired regarding the status of the appeal requested by Dudek on October 25, 2018. Mr. Young advised that Dudek has decided not to appeal.

The Committee discussed if they needed to make a new motion since the motion made on October 25, 2019 was not followed as specified. The Committee decided a new motion was appropriate.

Ms. Waite made a MOTION that the EMA GSA Committee recommend the County Water Agency contract with GSI for GSP work in the EMA with further direction for member agency staff to create an independent contract between Stetson Engineers and SYRWCD/City of Solvang/ID No. 1 for Stetson Engineers to work on the technical aspects of the GSP on behalf of the EMA. Ms. Hartmann seconded. The motion passed unanimously.

VIII. Consider Adoption of Conflict of Interest Code

Mr. Buelow presented the Conflict of Interest Code for adoption and advised it had been noticed and posted for 45-day review from December 10, 2018 through January 23, 2019, and that no comments were received. The Committee was advised that legal

counsels for each of the EMA GSA agencies reviewed the Conflict of Interest Code and found it acceptable.

Mr. Marymee made a MOTION to adopt the Conflict of Interest Code. Ms. Hartmann seconded. The motion passed unanimously.

IX. Update on Draft First Amendment to the EMA Memorandum of Agreement

Mr. Buelow summarized the Memorandum of Agreement (MOA) which was signed in 2017 between the four agencies to form the EMA GSA. A more definitive framework is needed for issues relating to banking, finance, cost sharing, and staffing and to formalize how the GSA will function and govern. The amendment will also function as a foundation for future agreements that may be created post-GSP submittal and possibly a Joint Powers Authority in the future to implement the GSP. Legal counsels for each of the four agencies are working with respective staff on a draft. Once a draft is complete, it will be submitted to the Committee for review and approval.

X. Update on Draft Intra-Basin Administrative Agreement between three GSAs

Mr. Buelow explained the purpose and need for an Intra-Basin Administrative Agreement between the three GSAs. The agreement will provide a framework for issues like cost sharing, hiring of consultants, exchange of information, and grant fund sharing.

Mr. Walsh asked for public comment. Questions and discussion ensued on agencies working together, how groundwater interacts between the three Management Areas and adjacent basins, the connectivity of groundwater, and previous hydrogeological studies.

XI. Report on establishing a Citizen Advisory Group (CAG) for the Eastern Management Area

Mr. Buelow advised that creation of a Citizen Advisory Group (CAG) was suggested by Ms. Farnum at the last EMA Committee meeting. Mr. Buelow read a January 24, 2019 Staff Memo recommending development of a CAG for the EMA and requesting direction from the Committee.

The Committee considered and discussed developing a CAG for the EMA. Ms. Waite recommended the Santa Ynez Band of Chumash Mission Indians (Chumash Tribe) be invited to be included in the CAG. Mr. Walsh agreed. Mr. Young advised that two other basins in Santa Barbara County both have advisory committees. Ms. Hartmann recommended creating a description for the role of the CAG, including bringing information from the community back to the Committee; defining parameters of the CAGs role; and determining what sectors need representation in each GSA. Ms. Waite supports establishing a CAG and recommended representation from Los Olivos, Santa Ynez, Solvang, and the Chumash Tribe. Ms. Hartman recommended representation from environmental, agriculture, and ranching interests.

The Committee agreed with the recommendations in the memo and requested member agency staff to continue working on a framework for the CAG. Mr. Marymee requested staff provide draft written guidelines for the CAG process for Committee review at the next meeting.

XII. Next regular meeting Date and Time

The next regular meeting date of the EMA GSA will be Thursday, April 25, 2019, 6:30 PM at the Santa Ynez CSD Community Room, 1070 Faraday Street, Santa Ynez, California.

XIII. EMA GSA Committee requests and comments

Mr. Walsh commented that a representative from the Chumash Tribe was at the last EMA GSA Committee meeting but is not present tonight. The Chumash Tribe owns a large area of land in the EMA and he wants to ensure they are not left out of the meetings. He suggested that someone meet with the Chumash Tribe and ask how or if they want to participate in SGMA. Mr. Buelow advised that during the GSA formation process, SYRWCD reached out to the Chumash Tribe and gave a briefing to the Chumash Tribe's Executive Board and received a letter of intent to participate in SGMA in areas that pertain to their reservation within the SYRWCD boundaries. However, outside of those SYRWCD boundaries, they are like any other citizen in the County area of the EMA. The Chumash Tribe is being sent notices of the EMA GSA meetings. Mr. Young advised that during the formation process, the Chumash Tribe was invited to join the EMA GSA Committee but declined to be part of the Committee. They are not being excluded. The Citizen Advisory Group may be a venue for the Chumash Tribe to participate in the process.

Ms. Waite asked if title "Memorandum of Agreement" was in fact a legal Agreement or not. Mr. Buelow advised that the SGMA statute allowed use of either Memorandum of Agreement or Joint Powers Authority.

Mr. Buelow thanked the City of Solvang for hosting the meeting and advised the next meeting will be held at the Santa Ynez CSD.

XI. Adjournment

There being no further business, Mr. Walsh adjourned the meeting at 7:47 pm.

Respectfully submitted,

William J Buelow, Secretary

ATTEST:

Brett Marymee, Chairman

Kevin D. Walsh, Chairman (Former)

MEETING MINUTES

Groundwater Sustainability Agency for the Eastern Management Area in the Santa Ynez River Groundwater Basin

A regular meeting of the Groundwater Sustainability Agency (GSA) for the Eastern Management Area (EMA) in the Santa Ynez River Groundwater Basin was held on Thursday, April 25, 2019, at 6:30 PM at the Santa Ynez Community Services District Community Room, 1070 Faraday Street, Santa Ynez, California.

EMA GSA Committee Members Present:

Joan Hartmann Brad Joos Brett Marymee Karen Waite

Alternate EMA GSA Committee Members Present:

Cynthia Allen

Member Agency Staff Present:

Bill Buelow Paeter Garcia Amber Thompson Matt van der Linden
Kevin Walsh Matt Young

Others Present: Ten members of the public

I. Call to Order

Mr. Marymee called the meeting to order at 6:53 p.m. and asked Mr. Buelow to Call Roll. All Committee Members were present.

II. Pledge of Allegiance

Mr. Marymee led the Pledge of Allegiance.

III. Introductions and Review of SGMA in Santa Ynez River Valley Basin

Mr. Buelow invited all in attendance to introduce themselves and say who they represent, if applicable. Mr. Buelow welcomed all in attendance.

Mr. Buelow reviewed history of the Sustainable Groundwater Management Act (SGMA) requirements and what has been completed so far in the Santa Ynez River Valley Groundwater Basin, including the creation of the three GSAs in the Basin (EMA, CMA, WMA), securing the DWR Prop. 1 Grant (Grant) funding and hiring of Consultants to prepare Groundwater Sustainability Plans (GSPs) by the State deadline of January 31, 2022.

IV. Additions or Deletions to the Agenda

No additions or deletions were made.

V. Public Comment

There was no public comment.

VI. Consideration and possible Committee action on the following Administrative Items

a. Select Committee Chair and Vice Chair

Ms. Hartmann made a MOTION to appoint Mr. Marymee for the Chair position of the EMA GSA Committee. Ms. Waite seconded. The motion passed unanimously.

Ms. Waite made a MOTION to appoint Mr. Joos for the Vice-Chair position of the EMA GSA Committee. Ms. Hartmann seconded. The motion passed unanimously.

b. Review and Approve Minutes

The minutes of the regular meeting of the EMA GSA on January 24, 2019 were considered for Committee approval.

Ms. Hartmann made a MOTION to approve the minutes. Ms. Waite seconded. The motion passed unanimously.

VII. Staff update on Consultant for GSP activities in the Eastern Management Area

Mr. Young provided background on the consultant selection. Mr. Young advised the Committee that the GSI contract with the County was approved by the Santa Barbara County Board of Supervisors on February 12, 2019 and work has begun on the Stakeholder Engagement Plan and Data Management Planning and data compilation. GSI will be coordinating with Stetson Engineers, the consultant hired to prepare GSPs for the CMA and WMA, to ensure consistency between the three Management Areas. Staff discussed the idea of a common Stakeholder Communication Portal to be used by all three GSAs in the Basin. Discussion ensued.

Mr. Marymee asked for public comment. Questions and discussion ensued on agencies and consultants collaborating, availability of historical data and SGMA requirements for GSP activities in the EMA and the Basin.

VIII. Receive update on the Draft Intra-Basin Area Administrative Agreement between three GSAs

Mr. Buelow reported that Agency Staff continue to work on a Draft Intra-Basin Administrative Agreement (Agreement) between the three GSAs in the Santa Ynez River Valley Basin (Basin). The Agreement will formalize certain administrative matters between the three GSAs such as cost sharing, distribution of grant funds, and coordinating to deliver the three GSPs. When the Draft Agreement is complete, it will be circulated to the various Agencies in each GSA for review by their respective staff and legal counsel. Once that review is completed the Draft will be distributed to the three GSA Committees for review and endorsement in July 2019. After endorsement by the three GSA Committees, the Draft will go to the respective Board/Council of each of the GSA Agencies for approval.

IX. Consider approval of Draft Guidelines and Application for a Citizen Advisory Group (CAG) for the Eastern Management Area

Mr. Buelow reviewed the Citizen Advisory Group (CAG) guidelines, purpose, roles and responsibilities, governance and application developed by staff of the EMA agencies as requested by the EMA GSA Committee at the January 24, 2019 meeting. The Committee considered and discussed the proposed draft guidelines and application. The Committee heard public comments and questions.

The Committee discussed an application deadline, the number of proposed CAG members, the diversity of membership and other pertinent issues. Ms. Hartmann and Mr. Joos volunteered to serve on the Ad-Hoc Committee to screen and recommend applicants for selection to the CAG.

Ms. Waite made a MOTION to approve the application and guidelines with the following amendments; establish an application deadline of June 21, 2019; establish an Ad-Hoc Committee for application screening and recommendations comprised of two Committee Members, Ms. Hartmann and Mr. Joos, to be assisted by participating agency staff; Mr. Marymee seconded. The motion passed unanimously.

X. Discuss venue and cost for next regular meeting date and time: Thursday, July 25, 2019, 6:30 PM and determine location of future meetings

The Committee discussed moving the location of the regular EMA GSA Committee Meetings to the City of Solvang City Council Chambers due to \$30 cost of holding meetings at Santa Ynez CSD. There is no cost to hold meetings at City of Solvang City Council Chambers. Attendance at the meetings is anticipated to grow with creation of the CAG and additional public involvement. Discussion was held.

The Committee agreed to move the location of regular EMA GSA Committee meetings to the City of Solvang City Council Chambers, located at 1644 Oak Street, Solvang, CA effective with the next regular meeting scheduled for July 25, 2019, 6:30pm.

XI. EMA GSA Committee requests and comments

Ms. Hartmann thanked staff for doing a good job on the CAG Guidelines and likes the portal idea for Stakeholder Engagement communications.

XII. Adjournment

There being no further business, Mr. Marymee adjourned the meeting at 7:52 pm.

Respectfully submitted,

William J Buelow, Secretary

ATTEST:

Brett Marymee, Chair

GROUNDWATER SUSTAINABILITY AGENCY
FOR THE
EASTERN MANAGEMENT AREA
IN THE
SANTA YNEZ RIVER GROUNDWATER BASIN

MEMORANDUM

DATE: October 24, 2019
TO: EMA GSA Committee
FROM: EMA GSA Agency Staff
SUBJECT: EMA FY 2019-2020 Q1 Financial Summary and Report

Below is a summary of Financial status for the first quarter of Fiscal Year 2019-2020 for the Eastern Management Area GSA. Attached to this memorandum are the financial reports for June (Q4 2018-2019) and July and August, and the Warrant List for Q1 of FY 2019-2020. Financial report for September has not been completed and will be available for the next GSA meeting in February along with all three months of Q2 2019-2020.

FY 2019-20, 1st Quarter (July, August, September 2019)

Account Balance (June 30, 2019).....	\$ 2,945.97
Deposit (SYRWCD – FY 19-20, Q1)	\$ 150.00
Accounts Payable (FY 19-20, Q1 Warrants)	\$ 150.00
Account Balance (Sept. 30, 2019)	\$ 2,945.97

SYRWCD EMA
BALANCE SHEET
JUNE 30, 2019

Assets

Current Assets

Rabobank #5843	\$2,945.97	
Accounts Receivable	.00	
Grant Receivable	.00	
Prepaid Expenses	.00	
Interest Receivable	.00	
Other Current Assets	.00	

TOTAL Current Assets		2,945.97
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Non Current Assets

Capital Assets	.00	
Other Assets	.00	

TOTAL Non Current Assets		.00
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TOTAL Assets		\$2,945.97
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Liabilities AND Equity

Current Liabilities

Accounts Payable	150.00	
Accrued Expenses	.00	

TOTAL Current Liabilities		150.00
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Non-current Liabilities

Other Liabilities	.00	
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TOTAL Non-current Liabilities		.00
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TOTAL Liabilities		150.00
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Net Position

Retained Earnings	.00	
RETAINED EARNINGS - PRIOR	.00	
Retained Earnings-Current Year	2,795.97	

TOTAL Net Position		2,795.97
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TOTAL Liabilities AND Equity		\$2,945.97
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SYRWCD EMA
INCOME STATEMENT
FOR THE 12 PERIODS ENDED JUNE 30, 2019

	YEAR TO DATE	
	ACTUAL	PERCENT
Revenue:		
Revenue		
Operating Assessments	\$3,000.00	100.0 %
Grant Revenue	.00	.0
Interest Income	.00	.0
Other Operating Revenue	.00	.0
	3,000.00	100.0
TOTAL Revenue		
Non Operating Revenue		
Misc Revenue	.00	.0
	.00	.0
TOTAL Non Operating Revenue		
	3,000.00	100.0
TOTAL Revenue		
	3,000.00	100.0
Gross Profit		
	3,000.00	100.0
Expenses:		
Operating Expenses		
Program Expenses	.00	.0
General & Administrative	.00	.0
Audit	.00	.0
Office Expense (incl postage)	24.03	.8
Outside Staff Support	150.00	5.0
Public Relations	.00	.0
Contengencies	.00	.0
Depreciation	.00	.0
Legal Services	.00	.0
Other Operating Expenses	30.00	1.0
	204.03	6.8
TOTAL Operating Expenses		
Consultants		
General Consultant	.00	.0
Stakeholder Engagement	.00	.0
GSP Activities	.00	.0
Basin Coordination	.00	.0
	.00	.0
TOTAL Consultants		
Non Operating Expenses		
Misc Expense	.00	.0
	.00	.0
TOTAL Non Operating Expenses		
	204.03	6.8
TOTAL Expenses		
	2,795.97	93.2
Net Income from Operations		
	2,795.97	93.2
Earnings before Income Tax		

SYRWCD EMA
INCOME STATEMENT
FOR THE 12 PERIODS ENDED JUNE 30, 2019

	YEAR TO DATE	
	ACTUAL	PERCENT
Net Income (Loss)	\$2,795.97	93.2 %

SYRWCD EMA
 BALANCE SHEET
 JULY 31, 2019

Assets

Current Assets

Rabobank #5843	\$2,945.97	

TOTAL Current Assets		2,945.97

TOTAL Assets		\$2,945.97
		=====

Liabilities AND Equity

Current Liabilities

Accounts Payable	150.00	

TOTAL Current Liabilities		150.00

TOTAL Liabilities		150.00

Net Position

RETAINED EARNINGS - PRIOR	2,795.97	
Retained Earnings-Current Year	.00	

TOTAL Net Position		2,795.97

TOTAL Liabilities AND Equity		\$2,945.97
		=====

SYRWCD EMA
 INCOME STATEMENT
 FOR THE 1 PERIOD ENDED JULY 31, 2019

	PERIOD TO DATE		YEAR TO DATE	
	ACTUAL	PERCENT	ACTUAL	PERCENT
TOTAL Revenue	\$.00	.0 %	.00	.0
Gross Profit	.00	.0	.00	.0
TOTAL Expenses	.00	.0	.00	.0
Net Income from Operations	.00	.0	.00	.0
Earnings before Income Tax	.00	.0	.00	.0
Net Income (Loss)	\$.00	.0 %	.00	.0

SYRWCD EMA
INCOME STATEMENT
FOR THE 2 PERIODS ENDED AUGUST 31, 2019

	PERIOD TO DATE		YEAR TO DATE	
	ACTUAL	PERCENT	ACTUAL	PERCENT
Revenue:				
Revenue				
Operating Assessments	\$.00	.0 %	.00	.0
Grant Revenue	.00	.0	.00	.0
Interest Income	.00	.0	.00	.0
Other Operating Revenue	.00	.0	.00	.0
TOTAL Revenue	.00	.0	.00	.0
Non Operating Revenue				
Misc Revenue	.00	.0	.00	.0
TOTAL Non Operating Revenue	.00	.0	.00	.0
TOTAL Revenue	.00	.0	.00	.0
Gross Profit	.00	.0	.00	.0
Expenses:				
Operating Expenses				
Program Expenses	.00	.0	.00	.0
General & Administrative	.00	.0	.00	.0
Audit	.00	.0	.00	.0
Office Expense (incl postage)	.00	.0	.00	.0
Outside Staff Support	.00	.0	.00	.0
Public Relations	.00	.0	.00	.0
Contengencies	.00	.0	.00	.0
Depreciation	.00	.0	.00	.0
Legal Services	.00	.0	.00	.0
Other Operating Expenses	.00	.0	.00	.0
TOTAL Operating Expenses	.00	.0	.00	.0
Consultants				
General Consultant	.00	.0	.00	.0
Stakeholder Engagement	.00	.0	.00	.0
GSP Activities	.00	.0	.00	.0
Basin Coordination	.00	.0	.00	.0
TOTAL Consultants	.00	.0	.00	.0
Non Operating Expenses				
Misc Expense	.00	.0	.00	.0
TOTAL Non Operating Expenses	.00	.0	.00	.0
TOTAL Expenses	.00	.0	.00	.0
Net Income from Operations	.00	.0	.00	.0
Earnings before Income Tax	.00	.0	.00	.0

SYRWCD EMA
 INCOME STATEMENT
 FOR THE 2 PERIODS ENDED AUGUST 31, 2019

	PERIOD TO DATE		YEAR TO DATE	
	ACTUAL	PERCENT	ACTUAL	PERCENT
Net Income (Loss)	\$.00	.0 %	.00	.0

SYRWCD EMA
BALANCE SHEET
AUGUST 31, 2019

Assets

Current Assets

Rabobank #5843	\$2,795.97
Accounts Receivable	.00
Grant Receivable	.00
Prepaid Expenses	.00
Interest Receivable	.00
Other Current Assets	.00

TOTAL Current Assets	2,795.97
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Non Current Assets

Capital Assets	.00
Other Assets	.00

TOTAL Non Current Assets	.00
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TOTAL Assets	\$2,795.97
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Liabilities AND Equity

Current Liabilities

Accounts Payable	.00
Accrued Expenses	.00

TOTAL Current Liabilities	.00
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Non-current Liabilities

Other Liabilities	.00
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TOTAL Non-current Liabilities	.00
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TOTAL Liabilities	.00
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Net Position

Retained Earnings	.00
RETAINED EARNINGS - PRIOR	2,795.97
Retained Earnings-Current Year	.00

TOTAL Net Position	2,795.97
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TOTAL Liabilities AND Equity	\$2,795.97
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**SANTA YNEZ RIVER VALLEY GROUNDWATER BASIN
EASTERN MANAGEMENT AREA (WMA) GROUNDWATER SUSTAINABILTY AGENCY (GSA)**

JULY 2019 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
		NONE		\$ -

AUGUST 2019 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1002	08/19/19	Valley Bookkeeping	FY 2018-19 4th Quarter Bookkeeping (April, May, June)	\$ 150.00
TOTAL				\$ 150.00

SEPTEMBER 2019 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
		NONE		\$ -

TOTAL THIS QUARTER: \$ 150.00

Intra-Basin Administrative Agreement
For Implementation of the Sustainable Groundwater Management Act
In the Santa Ynez River Valley Groundwater Basin

This Intra-Basin Administrative Agreement (“Agreement”) is made and effective as of _____, 2019 (“Effective Date”) by and between the Parties executing this Agreement below, each referred to herein as a “Party” and collectively as the “Parties.”

A. **WHEREAS**, in 2014 the State of California enacted the Sustainable Groundwater Management Act, including but not limited to Water Code section 10720 et seq., referred to in this Agreement as the “Act” or “SGMA,” as subsequently amended, pursuant to which certain agencies may become or participate in “Groundwater Sustainability Agencies” (“GSAs”) and prepare, adopt, and implement “Groundwater Sustainability Plans” (“GSPs”) to achieve sustainable groundwater management in basins throughout the State. The Act defines a groundwater “basin” as a basin or sub-basin identified and defined in California Department of Water Resources (“DWR”) Bulletin 118 or as modified pursuant to the Act. Each Party is a local agency located within the Santa Ynez River Valley Groundwater Basin (Bulletin 118, Basin No. 3-15, “Basin”), each is qualified to become a GSA or participate in a GSA or multiple GSAs, and each is authorized to adopt a GSP or participate in the adoption of a GSP or multiple GSPs under the Act for all or a portion of the Basin, as applicable; and

B. **WHEREAS**, the Parties previously executed a “Memorandum of Understanding for Implementation of the Sustainable Groundwater Management Act in the Santa Ynez River Valley Groundwater Basin” dated May 23, 2016 (“2016 MOU”) to, among other things, provide for the initial organization of the Basin according to three separate Management Areas, ensure the timely formation and filing of a separate GSA for each of the three Management Areas, and establish the basis for a cooperative and ongoing working relationship between and among the Parties and GSAs for implementing the goals and requirements of SGMA throughout the Basin; and

C. **WHEREAS**, in accordance with SGMA and the 2016 MOU, three separate GSAs have been formed and are operating within the Basin, wherein one GSA represents the Western Management Area, one GSA represents the Central Management Area, and one GSA represents the Eastern Management Area; and

D. **WHEREAS**, the Western Management Area Groundwater Sustainability Agency (“WMA GSA”) was formed by the City of Lompoc, the Vandenberg Village Community Services District, the Mission Hills Community Services District, the Santa Ynez River Water Conservation District, and the Santa Barbara County Water Agency pursuant to the January 11, 2017 Memorandum of Agreement for Formation of a Groundwater Sustainability Agency for the Western Management Area in the Santa Ynez River Valley Groundwater Basin Under the Sustainable Groundwater Management Act (“WMA MOA”); and

E. **WHEREAS**, the Central Management Area Groundwater Sustainability Agency (“CMA GSA”) was formed by the City of Buellton, the Santa Ynez River Water Conservation District, and the Santa Barbara County Water Agency pursuant to the January 11, 2017 Memorandum of Agreement for Formation of a Groundwater Sustainability Agency for the Central Management Area in the Santa Ynez River Valley Groundwater Basin Under the Sustainable Groundwater Management Act (“CMA MOA”); and

F. **WHEREAS**, the Eastern Management Area Groundwater Sustainability Agency (“EMA GSA”) was formed by the City of Solvang, the Santa Ynez River Water Conservation District, Improvement District No.1, the Santa Ynez River Water Conservation District, and the Santa Barbara County Water Agency pursuant to the April 27, 2017 Memorandum of Agreement for Formation of a Groundwater Sustainability Agency for the Eastern Management Area in the Santa Ynez River Valley Groundwater Basin Under the Sustainable Groundwater Management Act (“EMA MOA”); and

G. **WHEREAS**, the Parties hereto wish to supplement and provide a further framework for cooperative and ongoing efforts among themselves and among the WMA GSA, the CMA GSA, and the EMA GSA for implementation of SGMA throughout the Basin in a manner that is effective, efficient, fair, and at reasonable costs.

THEREFORE, in consideration of the Recitals set forth above and the mutual promises set forth below, the Parties agree as follows:

1. Purpose. The primary purpose of this Agreement is to facilitate a cooperative and ongoing working relationship between the Parties and among the WMA GSA, the CMA GSA, and the EMA GSA that will allow them to explore, study, evaluate, develop, and carry out mutually beneficial approaches and strategies for implementing SGMA throughout the Basin in an effective, efficient, fair, and cost-effective manner.
2. Development of Separate Groundwater Sustainability Plans.
 - (a) In accordance with the WMA MOA, the CMA MOA, and the EMA MOA, a separate GSP will be developed by the respective GSAs for each of the three Management Areas identified in the Recitals above. As a part of their cooperative and ongoing efforts under this Agreement, the Parties through their respective GSAs shall continue to discuss and explore the potential formation of one or more new joint powers authority or alternative arrangement(s) to implement the GSPs and carry out the objectives and requirements of SGMA throughout the Basin in a coordinated fashion.
 - (b) As further described at Section 3 below, the Parties acknowledge and agree that the respective GSPs must be developed in a coordinated fashion and that a Coordination Agreement must be developed and submitted to the California Department of Water Resources (“DWR”) together with the three GSPs for the Basin. As foundation to the Coordination Agreement, and in accordance with Section 10727.6 of the Act, the Parties

further acknowledge and agree that their respective GSAs shall coordinate with each other in the preparation of the respective GSPs to ensure that the GSPs utilize the same data and methodologies for the following assumptions:

- Groundwater elevation data;
- Groundwater extraction data;
- Surface water supply;
- Total water use;
- Change in groundwater storage;
- Water budget; and
- Sustainable yield.

(c) Governance and decision-making processes within the individual GSAs shall be governed by the respective Memoranda of Agreement described in the Recitals above, as those documents may be modified or supplemented from time to time by applicable bylaws, policies, amendments, or other agreements.

3. Coordination Agreement. Because multiple GSPs will be developed for the Basin, the Parties agree that a Coordination Agreement shall be developed and entered in accordance with Sections 10727(b)(3), 10727.6, and 10733.4(b)(3) of the Act, and the requirements and elements set forth in Section 357.4 of Title 23 of the California Code of Regulations (“SGMA Regulations”) to ensure that the GSPs are developed and implemented utilizing the same data and methodologies and that elements of the GSPs necessary to achieve the sustainability goal for the Basin are based upon consistent interpretations of the basin setting.

Because developing and executing the Coordination Agreement is a prerequisite to filing the respective GSPs, the Parties agree to commence negotiation of the Coordination Agreement through their respective GSAs as soon as practicable, but no later than July 1, 2020. In the event that essential terms and elements of the Coordination Agreement, as set forth by Section 357.4 of the SGMA Regulations, have not been developed in draft for consideration by the Parties and the respective GSAs by June 1, 2021, any Party to this Agreement may demand in writing to the other Parties that the remaining process for developing and finalizing the Coordination Agreement be administered with the services of a mediator as provided by Section 7 below.

4. Sharing of DWR Grant Funds. The Parties acknowledge that the Santa Ynez River Water Conservation District (SYRWCD) is the grantee of a DWR Proposition 1 grant award of \$1,000,000 (“DWR Grant Funds”) on behalf of the respective GSAs for the three Management Areas and that such DWR Grant Funds are administered pursuant to the 2018 Grant Agreement Between the State of California (DWR) and the SYRWCD (“DWR Grant Agreement”). The Parties agree, individually and through their respective GSAs, that the DWR Grant Funds shall be shared and allocated equally (one-third each) among the WMA GSA, the CMA GSA, and the EMA GSA on behalf of the respective Management Areas for development of their

respective GSPs and related SGMA costs as authorized by the DWR Grant Agreement; and that if any GSA does not incur costs that are reimbursable from its respective one-third share of DWR Grant Funds, such unutilized funds shall be allocated equally (one-half each) to the two remaining GSAs; and that if either of the two remaining GSAs does not incur costs that are reimbursable from its one-half share of such remaining DWR Grant Funds, such unutilized funds shall be allocated to the one remaining GSA; and if the remaining GSA does not incur costs that are reimbursable from such remaining DWR Grant Funds, such unutilized funds shall be administered in accordance with the DWR Grant Agreement. Subject to the requirements of the DWR Grant Agreement, decisions related to the use and application of DWR Grant Funds within any given Management Area shall be made by the respective GSA for that Management Area.

5. Cost Sharing Among GSAs and Securing Joint Services.

- (a) The Parties anticipate the need or opportunity from time to time to perform certain services or activities that are common to and will benefit all three Management Areas and GSAs in preparing their respective GSPs, which services or activities otherwise would be funded individually through the GSAs, and where jointly securing and undertaking such services or activities can improve efficiencies in preparing the GSPs and save costs at a Basin-wide level. These common and mutually beneficial services, activities, and associated costs may include, but are not limited to, SGMA website development, data management systems, technical review, and administrative support. Any decision(s) on a case-by-case basis to secure and undertake services or activities that are common and mutually beneficial to the three Management Areas and GSAs, and to incur the costs associated with any such decision(s), shall require prior approval by all three GSAs, wherein the method, terms, and costs for securing and undertaking such services or activities shall be presented to each GSA as part of the aforementioned approval requirements.
- (b) Costs incurred for services or activities that are undertaken as described in Section 5(a) above shall be equally apportioned among and paid by the three GSAs (one-third each); provided, however, that each GSA shall make its own determination in coordination with SYRWCD of whether to seek reimbursement for its proportionate share of such costs from DWR Grant Funds made available to that GSA as described in Section 4 above. Cost sharing within the individual GSAs shall be administered in accordance with the terms of the WMA MOA, the CMA MOA, and the EMA MOA, along with any applicable amendments to those documents
- (c) SYRWCD shall coordinate cost sharing among the GSAs and administer any agreement or contract to provide such services or activities on behalf of the three GSAs as described in Section 5(a) above; provided, however, that SYRWCD may elect in the future not to provide such coordination or administration services, and provided further that the GSAs may agree in writing for a different Party or third-party to coordinate such cost sharing or to administer any such agreement or contract as part of the approval requirements described

in Section 5(a) above. The Parties agree that the costs incurred by SYRWCD or other Party or third-party for providing such coordination or administration services shall be apportioned and shared by the GSAs in accordance with this Section 5.

(d) Subject to the availability of DWR Grant Funds and other sources of funding that may be available to any of the GSAs, all other SGMA-related costs that are not shared among the three GSAs in accordance with this Agreement, including but not limited to those for preparation and implementation of their respective GSPs, shall be borne by the respective GSAs and Parties thereto in accordance with their respective Memoranda of Agreement described in the Recitals above, as those documents may be modified or supplemented from time to time by applicable bylaws, policies, amendments, or other agreements. Nothing in this Agreement is intended to nor shall limit any Party or any of the GSA from seeking recovery of SGMA-related costs, including but not limited to those for preparation or implementation of the GSPs, from water users and other persons and entities in any lawful manner, including but not limited to the authorities provided by SGMA.

6. Ongoing Cooperation. In accordance with the primary purpose of this Agreement, the Parties agree to coordinate with each other in good faith to ensure a cooperative and ongoing working relationship between the Parties and among the WMA GSA, the CMA GSA, and the EMA GSA that will allow them to explore, study, evaluate, develop, and carry out mutually beneficial approaches and strategies for implementing SGMA throughout the Basin in an effective, efficient, fair, and cost-effective manner. In furtherance of this purpose, each Party shall identify a principal contact person and other appropriate staff and/or consultant(s) to participate on such Party's behalf in carrying out this Agreement.

7. Dispute Resolution.

(a) The Parties agree to mediate any claim or dispute arising from this Agreement before filing any court action; provided, however, that any Party may elect not to mediate, where any Party that elects not to mediate or commences a court action based on a dispute or claim arising from this Agreement without first attempting to resolve the matter through mediation as provided in this Section 7 shall not be entitled to recover attorneys' fees or costs, even if such fees and costs otherwise would be available to that Party in any such action. A Party shall satisfy the requirement for "first attempting to resolve the matter through mediation" by proceeding or otherwise participating in accordance with the entire process set forth in Section 7(b) below.

(b) In the event of a claim or dispute, or where the Parties or respective GSAs cannot reach agreement on any matter arising under this Agreement, including but not limited to preparing GSPs in a coordinated fashion as described in Section 2(b) above, or developing a Coordination Agreement as described in Section 3 above, any Party may provide a written Notice of Dispute to the other Parties that describes in detail the claim or disputed matter ("Dispute"). Upon issuance of a Notice of Dispute, a meeting shall be conducted within

twenty (20) calendar days from the date of the Notice of Dispute among all Parties that elect to participate in the meeting as a good faith attempt to resolve the Dispute informally (“Informal Dispute Resolution”). In the event the Dispute is not resolved through Informal Dispute Resolution within thirty (30) calendar days from the date of the Notice of Dispute, the Party that initially provided the Notice of Dispute shall provide a separate written notification to all Parties that participated in the Informal Dispute Resolution process which identifies three mediator candidates, all of whom must be an attorney, engineer, or hydrogeologist experienced and familiar with SGMA, to mediate the Dispute (“Formal Dispute Resolution”). Furthermore, all mediator candidates must be unbiased neutrals who are not participants in any of the GSAs in the Basin and who are not officials, officers, employees, contractors, consultants, or agents of any of the Parties to this Agreement. Within ten (10) days of receiving a written notification of qualified mediator candidates, all Parties that elect to participate in such Formal Dispute Resolution may provide a written response consenting to one or more of the mediator candidates or identifying up to three additional qualified mediator candidates. Thereafter, if a mediator is not mutually-agreed upon by said participating Parties from the combined list within fifteen (15) calendar days, each party shall submit two potential mediators that they would approve and a mediator shall be picked by a non-party through random selection from the Parties’ combined lists of remaining mediators. Once initiated, the mediation shall be completed within 30 days.

(c) Mediation fees, if any, shall be divided equally among the Parties that elect to be involved in a mediation process pursuant to Section 7(b) above. Each Party involved in the mediation shall be responsible for its own attorneys’ fees and costs.

(d) This Section 7 shall not preclude any Party from meeting and conferring with any other Party or Parties to mutually resolve a dispute or claim prior to requesting or participating in the mediation processes described in Section 7(b) above.

(e) This Section 7 shall not preclude any Party from seeking a preliminary injunction or other interlocutory relief if necessary to avoid irreparable harm or damages.

8. Indemnification. To the extent authorized by law, each Party shall defend, indemnify, and hold harmless the other Parties and their respective elected officials, officers, supervisors, employees, agents, contractors, and consultants from and against any and all damages, demands, actions, claims, or liabilities for the indemnifying Party’s acts or omissions arising from carrying out this Agreement.

9. Miscellaneous/General Provisions.

(a) Notices. Any formal notice required or other formal communication given under the terms of this Agreement shall be in writing to all of the Parties and shall be given personally, by electronic mail (email), or by certified mail, postage prepaid and return receipt requested.

The date of receipt of any written notice provided hereunder shall be the date of actual personal service, or email, or three days after the postmark on certified mail.

- (b) Entire Agreement/Amendments/Counterparts. This Agreement incorporates the entire and exclusive agreement of the Parties with respect to the matters described herein and supersedes all prior negotiations and agreements (written, oral, or otherwise) related thereto, including the 2016 MOU; provided, however, this Agreement does not amend, supersede, or modify the WMA MOA, the CMA MOA, or the EMA MOA as described in the Recitals above, as those documents may be amended or supplemented. This Agreement may be amended (including without limitation to add new Parties) only in a writing executed by all of the Parties. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- (c) Termination/Withdrawal. This Agreement shall remain in effect unless terminated by the mutual consent of the Parties. Upon 30 days written notice to the other Parties, any Party may withdraw from this Agreement, and the Agreement shall remain in effect for the remaining Parties. No Party shall be liable to any other Party for electing to withdraw from this Agreement.
- (d) Assignment. No rights or duties of any of the Parties under this Agreement may be assigned or delegated without the express prior written consent of all of the other Parties, and any attempt to assign or delegate such rights or duties without such written consent shall be null and void.
- (e) Insurance. Each Party shall maintain its own insurance coverage through commercial insurance, self-insurance, or a combination thereof, against any claim, expense cost, damage or liability arising out of the performance of its responsibility pursuant to this Agreement, to the extent insurable.
- (f) Counsel. The Parties recognize that as of the Effective Date of this Agreement, independent legal counsel has not been retained to represent any of the three GSAs in the Basin. Until such time as any Party may decide otherwise within its sole and absolute discretion, each Party agrees, in its individual capacity and as a member agency of its respective GSA, to utilize its own legal counsel for all purposes, including but not limited to those related in any way to compliance with SGMA and any and all other legal requirements, to rely exclusively upon the legal advice of its own legal counsel, and to bear all of its own fees, costs, and expenses for legal counsel, including but not limited any experts or consultants retained through legal counsel on behalf of that Party. This arrangement shall not be construed in any way to create an attorney-client relationship or a duty of loyalty between an attorney and any Party other than the direct client of that attorney, and no such relationship will be deemed to arise by implication as a result of this

Agreement. The provisions of this Section 9(f) shall not be affected in the event, if any, that any or all of the GSAs in the Basin determine(s) to retain independent legal counsel.

- (g) CEQA. The Parties recognize and agree that, pursuant to 10728.6 of the Act and Public Resources Code Section 21065, neither this Agreement nor the preparation or adoption of a GSP constitutes a “project” or approval of a project under the California Environmental Quality Act (“CEQA”) or the State CEQA Guidelines.
- (h) No Third-Party Beneficiaries. This Agreement is not intended and shall not be construed to confer any benefit or create any right for any third party, or to provide the power or right of a third party to bring an action to enforce any of the terms of this Agreement.
- (i) Attorneys’ Fees and Costs. Subject to the provisions of Section 7 above, if any action at law or equity, including an action for declaratory relief, is brought to enforce or interpret the provisions of this Agreement, the prevailing Party or Parties, as determined by the court, shall be entitled to recover reasonable attorneys’ fees and costs which shall be determined by the court. The attorneys’ fees and costs to be awarded shall be made to fully reimburse the prevailing Party or Parties for all reasonable attorneys’ fees and costs, including but not limited to expert fees, costs, and expenses actually incurred in good faith, regardless of the size of the judgment or outcome of the action; provided, however, that recoverable fees awarded to any prevailing party shall not exceed the rate of three hundred and twenty-five dollars (\$325.00) per hour for attorneys or experts.
- (j) Authority/Binding Effect. Each Party represents and warrants that the individual(s) executing this Agreement is authorized to do so and thereby obligate such Party to perform all acts required by this Agreement, and that the consent, approval or execution of or by any third party is not required to legally bind the Party to this Agreement.
- (k) Incorporation of Recitals. The Recitals set for the above are hereby imported into this Agreement.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the date first written above.

[Signature Pages Below]

SANTA BARBARA COUNTY WATER AGENCY

ADD SIGNATURE BLOCK(S)

SANTA YNEZ RIVER WATER CONSERVATION DISTRICT

ADD SIGNATURE BLOCK(S)

**SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, IMPROVEMENT DISTRICT
NO.1**

ADD SIGNATURE BLOCK(S)

CITY OF SOLVANG

ADD SIGNATURE BLOCK(S)

CITY OF BUELLTON

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CITY OF LOMPOC

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VANDENBERG VILLAGE COMMUNITY SERVICES DISTRICT

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MISSION HILLS COMMUNITY SERVICES DISTRICT

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**EASTERN MANAGEMENT AREA
CITIZEN ADVISORY GROUP
MEMORANDUM**

DATE: October 24, 2019

TO: EMA GSA Committee

FROM: EMA Citizen Advisory Group

SUBJECT: Draft Communication and Engagement Plan for the EMA

Eastern Management Area (EMA) Citizens Advisory Group (CAG) Members

Gay Infanti, Sam Cohen, Mary Heyden, Elizabeth Farnum, CJ Jackson, Tim Gorham, Kevin Merrill

Introduction

The EMA GSA Committee requested staff for the GSA agencies to coordinate meetings of the EMA CAG. Through a coordinated effort, the CAG held meetings on September 5, and September 30, 2019. At the first meeting, the CAG discussed the goals, purpose and guidelines of the CAG. The CAG also began its review of the Draft Communication and Engagement Plan (CEP) prepared by the EMA Consultant Team. During the second meeting, the CAG continued its review of the CEP. The CEP is a requirement of SGMA and the Draft CEP was released for review and comment by the CAG and the public. The Draft CEP is available on the Santa Ynez River Water Conservation District (SYRWCD) and the Santa Barbara County Water Agency's websites. A specific website for the three Groundwater Sustainability Agencies (GSAs) in the Santa Ynez River Valley Groundwater Basin (Basin) is soon to be released and will host all SGMA related documents. The new website will be the main portal for the public to sign up for communications, meeting agendas, notices, and other SGMA information in the future. The public can access various Groundwater Sustainability Plan (GSP) documents through the website and can provide comments on each document. The website is currently scheduled to be available in the coming weeks.

Below is a summary of the CAG's comments and recommendations regarding the Draft CEP for the EMA.

CAG Comments to the Draft Communication and Engagement Plan for the EMA:

Preface. The CAG suggested adding a few sentences to the first paragraph that introduce SGMA to stakeholders and other members of the public that may not be familiar with SGMA and its goals. Additionally, the CAG suggested adding additional text to explain what precipitated the passage of SGMA and further suggested modifying the Engagement Process flow diagram to clearly identify the link between the stakeholder survey and mapping step and the messages and talking points step, shown on the Engagement Process diagram. The new proposed addition shows the identification of stakeholder issues.

Section 1 – Introduction. The CAG requested additional language in the text to describe the history of how and why the single Santa Ynez River Valley Groundwater Basin was divided into three Management Areas. Additional language on the SGMA required Coordination Agreement between the three Management Areas is also requested. The map of the Basin shown in Figure 2 shows the three Management Areas. An additional figure is requested for this section that includes a blow-up view of the EMA, for clarity.

Section 2 – Goals and Desired Outcome. The section describes stakeholder engagement in GSP development via multiple venues for communication, however, these methods were not identified. The CAG requests additional examples of outreach and communication to be included, e.g., CAG meetings, workshops, websites, and publicly noticed GSA meetings where additional public comment can be provided.

Section 3 – GSP Participants and Decision – Making Process. Reference is made to a Table 2, which lists the MOA parties. However, Table 2 is missing from the document.

Section 4 – Stakeholder Identification. The CAG recommends that the list of Stakeholder Groups is modified to include additional EMA-specific stakeholders that are currently not on the list. These include but are not limited to Disadvantaged Communities (DAC) and Mutual Water Companies. The CAG also recommends that Urban and Agricultural Users are split into two separate Stakeholder Groups because their water usage is very different. The CAG further recommends updating the list to include all DWR-identified Stakeholder Groups for the purpose demonstrating this document’s compliance with DWR requirements.

Section 5 – Stakeholder Survey. The CAG recommends adding several questions to the survey, which would elicit helpful information and enable better understanding of the barriers/challenges to achieve groundwater sustainability in the EMA. These additional questions are consistent with the statewide survey reported by UC Davis in a report entitled “Implementing SGMA - Results from a Stakeholder Survey”. Also, this section should be updated to match the schedule for distributing the survey within the EMA GSA.

Section 6 – Venues and Methods: Opportunities for Engagement. The CAG recommends removing Figure 3, due to the pending status of the Tribal annexation of Camp 4 lands into Federal Trust. Additionally, the City of Solvang needs to be added to the map shown in Figure 4.

On page 9, under Organizational Groups, the CAG recommends changing the first sentence from “*may attend or host meetings with organizational groups such as mutual water companies, etc...*” to “*will attend or host meetings...*”.

The CAG was concerned that methods of outreach were not specific enough in the current plan and should be clarified. The CAG suggested that an “FAQ” document is developed and added to various methods of outreach that may include a newsletter that could be distributed in agency mailings or posted throughout the community in places such as the local post office. The CAG discussed social media as a possible means for distributing information related to SGMA. The CAG also cautioned about the downsides of most social media platforms which often end up being forums for “op-ed” type posts, which may distract from the purpose of circulating the information. The CAG also suggested performing outreach to business groups such as the Chamber of Commerce, Rotary Club, Farm Bureau, Vintners Association, Cattlemen Association, women’s associations and other organizations.

Section 7 – Evaluation and Assessment. The CAG suggested adding dates to the proposed activities outlined in Table 3 and expanding on the items, especially “Conduct Stakeholder Survey” and “Outreach Schedule”. The CAG discussed where information on SGMA could be posted, as well as who would be doing the posting, summarization and analysis of the results of the survey.

Data Management Plan

Santa Ynez East Management Area Data Management System

DRAFT

September 2019



Prepared for: Santa Barbara County

DRAFT

Data Management Plan

Santa Ynez River Valley
Groundwater Basin Eastern
Management Area Data
Management System

Prepared for:

Santa Barbara County

Prepared by:

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

September 13, 2019

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1. Introduction

The purpose of the Data Management Plan (Plan) is to guide the selection of a Data Management System (DMS) and the collection, review, and upload of data used to develop a Groundwater Sustainability Plan (GSP) for the Eastern Management Area (EMA) of the Santa Ynez River Valley Groundwater Basin (Basin or Santa Ynez Basin).

A needs assessment was completed to determine the type of data and information required to complete the GSP, to seek input for consideration in designing the DMS, and to establish the goals of the EMA DMS. The intent of this document is to provide guidance on the approach and process to efficiently develop and populate the DMS.

The Plan will serve as guidance for the collection and management of groundwater and surface water information required for GSP development and will be used as part of continued reporting during the GSP implementation phase.

1.1 SGMA DMS Requirements

Part of the Sustainable Groundwater Management Act (SGMA) implementation in California's groundwater basins is the required development of a DMS. The DMS stores the data relevant to the development of the GSP as defined by the GSP Regulations.

The GSP Regulations (California Code of Regulations, Title 23, Division 2, Chapter 1.5, Subchapter 2) give broad requirements on data management, stating that a GSP must adhere to the following 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.

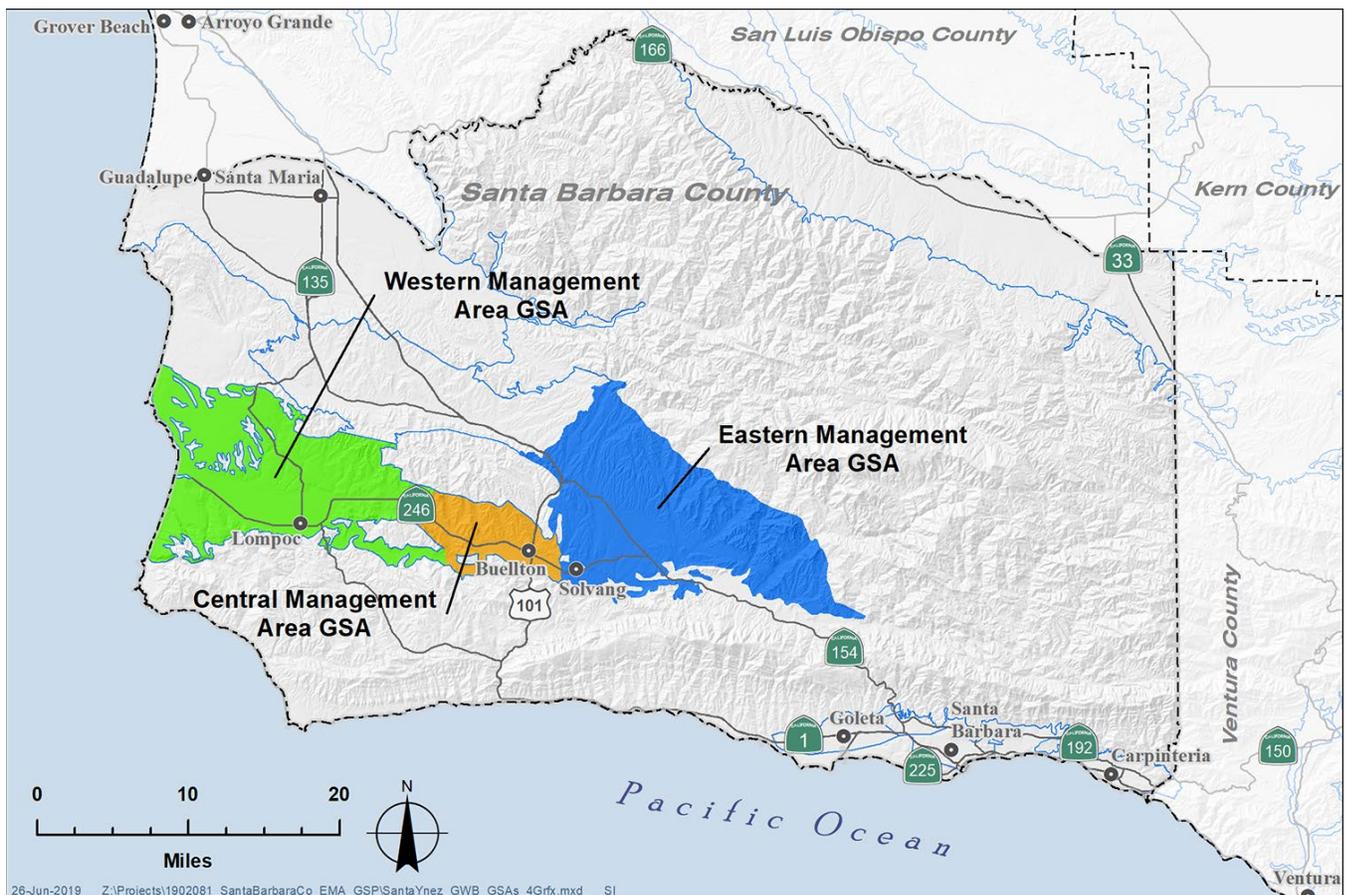
Reference: Sections 10728, 10728.2, 10733.2, and 10733.8, Water Code.

In summary, to comply with SGMA, the EMA will create a DMS that stores groundwater basin information, reports, and data. The data stored in the DMS will aid in the development of a GSP and provide a data framework for the continued monitoring and reporting of the conditions in EMA. All data will be evaluated for validity and acceptable use prior to entry into the DMS. The data will comply with established quality assurance (QA) and quality control (QC) goals and procedures as described in SGMA GSP Regulation § 354.44 (c).

2. DMS Development

There are three GSAs in the Santa Ynez Basin – Eastern Management Area (EMA), Central Management Area (CMA), and Western Management Area (WMA). Each of these GSAs intend to develop an individual GSP for their respective Management Area. The GSPs will be managed under a coordination agreement per SGMA regulations.

Figure 1. Santa Ynez Basin GSAs



2.1 DMS Coordination

SGMA regulations require that each GSP be supported by a DMS (§352.6). For effective coordination and management, the data in each DMS for the Santa Ynez Basin should be consistent in both terminology and in value. For example, it would be inefficient to abbreviate the term “water level” in three different ways (e.g., WL, W.L., lvl). Similarly, it would be problematic to have three different water level values at the same well and with the same timestamp. The goal of GSA coordination during DMS development is for data supporting the three GSPs to be consistent.

There are multiple agencies and consultants working in each of the three Santa Ynez GSA Management Areas (MAs). Consulting teams at GSI Water Solutions, Inc. (GSI) and GEI Consultants, Inc. (GEI) are assisting with preparation of a DMS for the EMA. Consultants at Stetson Engineers, Inc. (Stetson) and GeoSyntec Consultants (GeoSyntec) are assisting with preparation of a DMS for the CMA and a DMS for the WMA. These consultants are holding conference calls followed by summary memoranda to coordinate preparation of the DMSs. Where there are unique data sets generated in one or more of the MAs, the consultants for all three MAs have agreed to work together to ensure that any unique data can be shared across the Basin. If there is data to be shared on a regular basis, the consultants have agreed to work together to develop a common protocol for sharing data (such as an XML, JSON, or structured Excel file) that all three MAs can utilize.

2.2 Data Needs

2.2.1 Sustainability Indicator Data

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.”¹ Furthermore, SGMA outlines six undesirable results as follows:²

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 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.

¹ §10721(v)

² §10721(x)

The presence or absence of the six undesirable results in a groundwater basin is determined by examining the sustainability indicator data for each. The EMA DMS will store data relevant to each sustainability indicator as appropriate. There are multiple metrics by which the sustainability indicators may be observed. These metrics, as defined in the GSP Regulations and described by DWR in the Sustainable Management Criteria Best Management Practice (BMP) document,³ are shown in **Figure 2**.

Figure 2. DWR’s Sustainability Indicator Metrics

Sustainability Indicators	 Lowering GW Levels	 Reduction of Storage	 Seawater Intrusion	 Degraded Quality	 Land Subsidence	 Surface Water Depletion
Metric(s) Defined in GSP Regulations	<ul style="list-style-type: none"> Groundwater Elevation 	<ul style="list-style-type: none"> Total Volume 	<ul style="list-style-type: none"> Chloride concentration isocontour 	<ul style="list-style-type: none"> Migration of Plumes Number of supply wells Volume Location of isocontour 	<ul style="list-style-type: none"> Rate and Extent of Land Subsidence 	<ul style="list-style-type: none"> Volume or rate of surface water depletion

The BMP document also describes how groundwater elevations may be used as a proxy metric, “provided the GSP demonstrates that there is a significant correlation between groundwater levels and the other metrics.” The EMA may use the data shown in **Table 1** to track the six sustainability indicators as deemed necessary during GSP development.

Table 1. Data required to monitor the SGMA sustainability indicators

Sustainability Indicator	Tracking Data							
	Water Level	Extensometer	GPS	InSAR	Water Quality		Stream stages	Well and/or Site Data
					Chloride	±10 constituents		
Subsidence	✓	✓	✓	✓				✓
Water levels	✓							✓
Groundwater storage	✓							✓
Seawater intrusion	✓				✓			✓
Surface water/ groundwater interaction	✓						✓	✓
Water quality	✓				✓	✓		✓

³ https://water.ca.gov/LegacyFiles/groundwater/sgm/pdfs/BMP_Sustainable_Management_Criteria_2017-11-06.pdf.

The metrics listed in **Table 1** represent the minimum required data set to populate the DMS for tracking sustainability indicators. However, there is additional data that is readily available may be included in the DMS to assist with preparation of the GSP and to support annual reporting.

2.2.2 Data Sources

Table 2 illustrates the datasets that are publicly accessible or available and will be used in populating the DMS to support EMA GSP development, sustainability indicator monitoring, and annual reporting. The data categories listed below shape the design of the DMS and support the sustainability indicator needs presented previously in **Table 1**. Most of the data categories listed below are associated with a well with the following exceptions: precipitation, land use, and surface water data.

During the development of the EMA GSP, access to data through the DMS by staff from the participating agencies will be required to prepare various GSP chapters and sections. The data acquired in **Table 2** will be used to prepare the GSP sections. In addition, data collected in **Table 2** will be used to track the sustainability indicators and support annual reporting as required by SGMA.

Table 2. Data Sources to Populate Santa Ynez Basin DMS

Data Category	State and Federal Data Sources						Local Data Sources	
	DWR (CASGEM)	DWT (Well Logs)	DWR (CDEC)	Geotracker GAMA	USGS	Irrigated Lands Program	Participating Agencies	Other Groundwater Users*
Well and Site Info	✓	✓		✓	✓		✓	✓
Well Construction	✓	✓			✓		✓	✓
Well Construction Screen	✓	✓			✓		✓	✓
Aquifer Properties							✓	
Water Level	✓				✓		✓	✓
Water Quality			✓	✓	✓	✓	✓	
Precipitation							✓	
Land Use							✓	
Surface Water							✓	

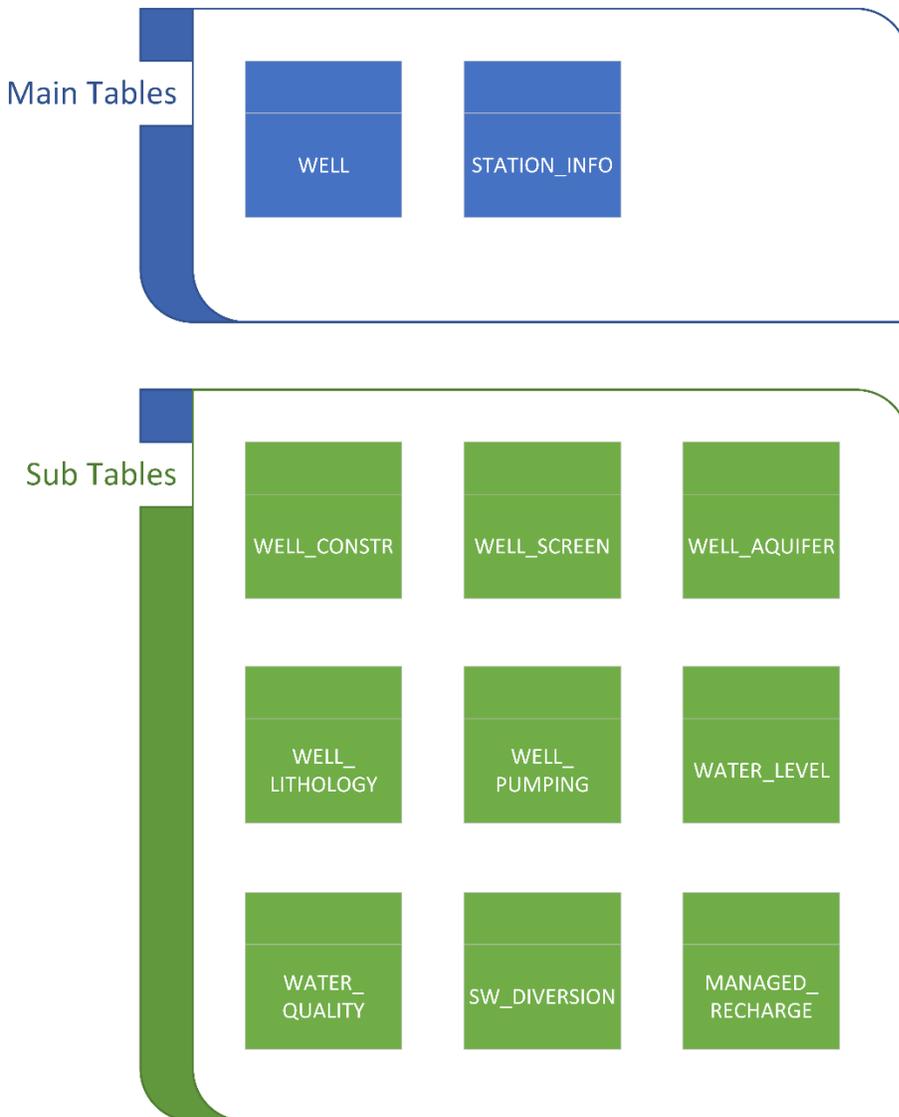
*Private parties and mutual water companies

2.3 Data Structure

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

- **Blue Tables** – Main tables that include point data with a unique identification and unique point location to be added to database (e.g., Well_Info and Site_Info)
- **Green Tables** – Sub tables related to the main table and hold additional details about the well or unique identifier (e.g., correlation of a well point with water level or water quality)

Figure 3. Santa Ynez Basin EMA DMS Tables



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

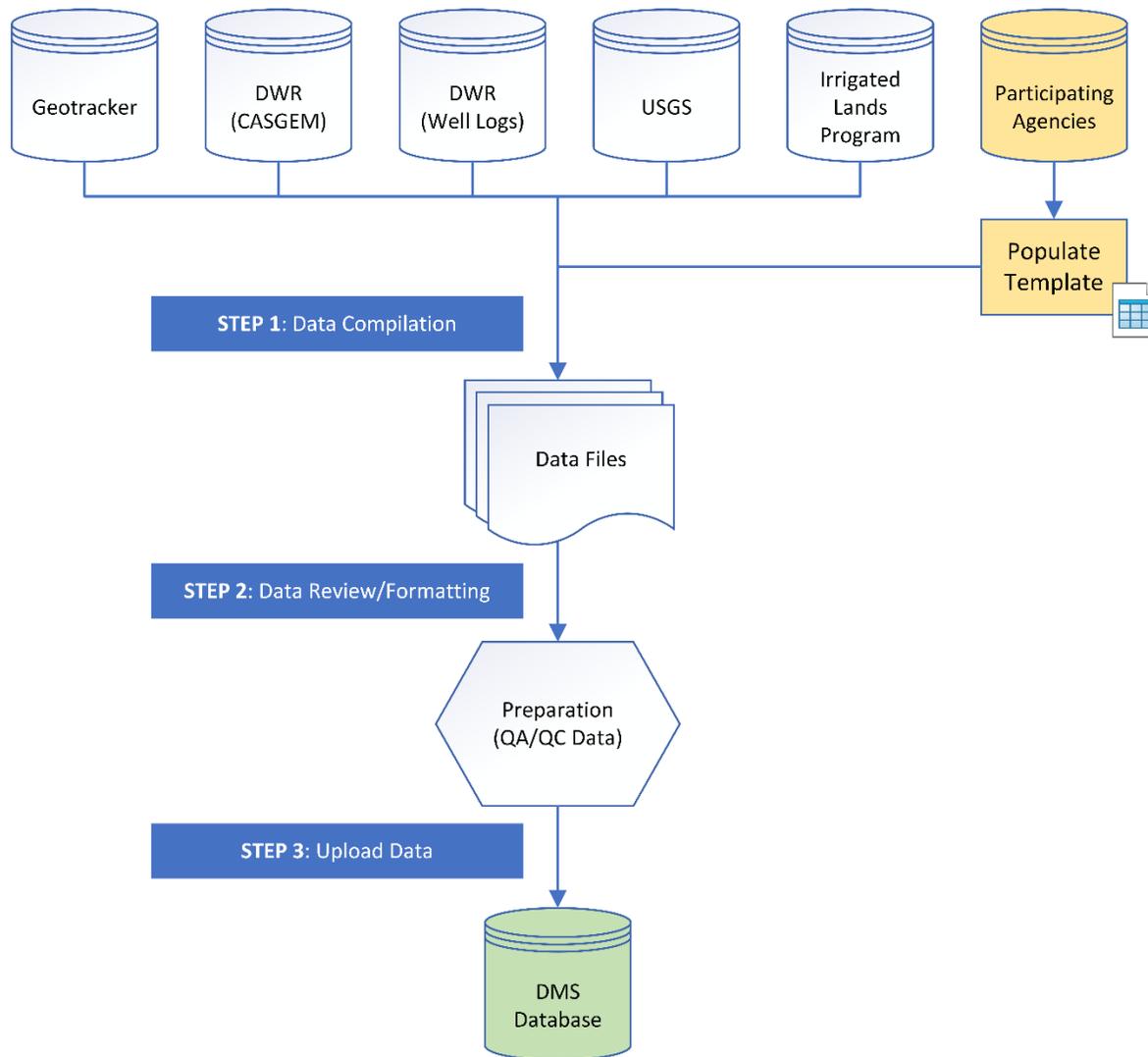
Table 3. DMS Table Descriptions

Table	Description
Main Tables	
Station Info	Information about type of station (well, recharge site, diversion, gage, extensometer, GSP) and location information
Well Info	General information about well, including identifiers used by various agencies
Sub Tables	
Agencies	Agency associated with the well or site
Sustainability Indicators	Minimum Thresholds and Measurable Objectives set for monitoring network sites tracking Sustainable Management Criteria for SGMA compliance
Well Construction	Well construction information, including depth, diameter, etc.
Well Construction Screen	Supplements 'Well Construction' with well screen information (one well can have many screens)
Well Geologic Aquifer	Information about the aquifer parameters of the well such as pumping test information, confinement, and transmissivity
Well Geologic Lithology	Lithologic information at a well site (each well may have many lithologies at different depths)
Water Level	Water level measurements for wells
Well Pumping	Pumping measurements for wells, annual or monthly
Managed Recharge	Recharge measurements for a recharge site, annual or monthly
SW Diversion	Diversion volume measurements for a diversion site, annual or monthly
Water Quality	Contains water quality data for wells or any other type of site

2.4 Data Input Process

Inputting data to the DMS consists of three steps, as shown on **Figure 4**. The steps include: 1) data compilation; 2) data review/formatting; and 3) data upload and visualization.

Figure 4. Data Input Workflow



2.4.1 STEP 1: Data Compilation

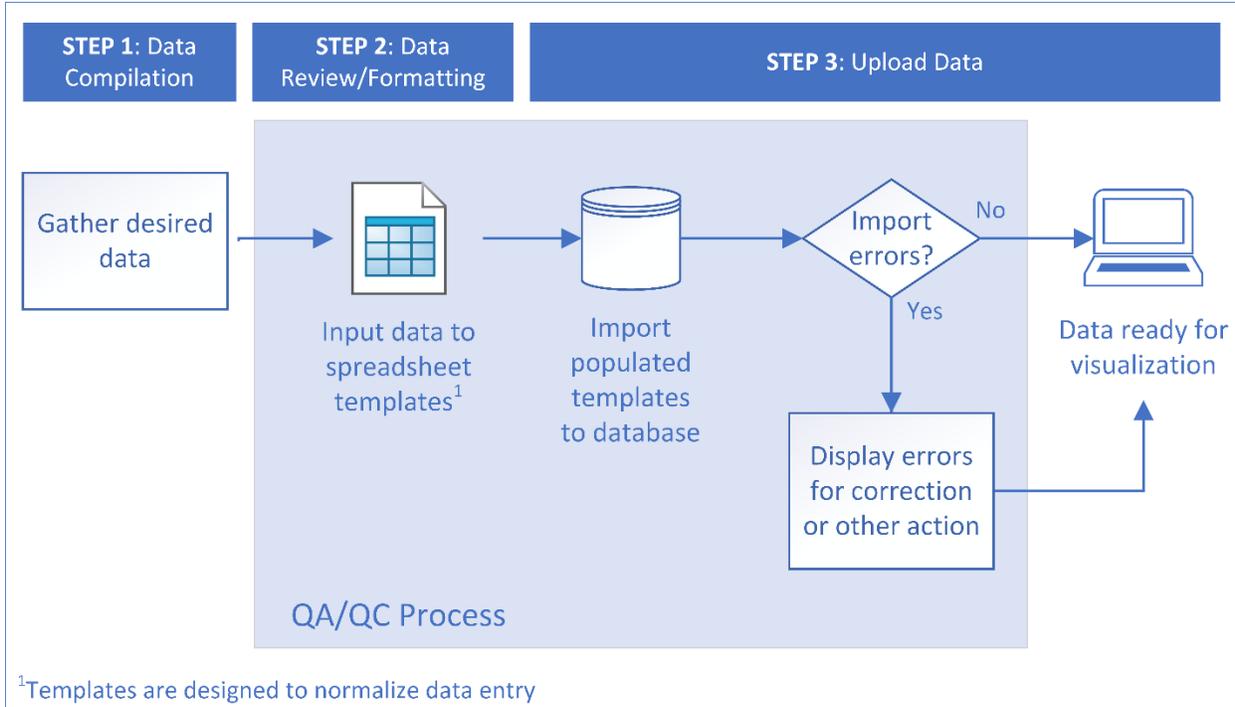
State and Federal data available via online public databases will be brought directly from the data source to the DMS by the DMS development team.

Local EMA data compiled from participating agencies and other sources will be put into templates designed to normalize data entry.

2.4.2 STEP 2: Data Review and Formatting

Local data is normalized by transfer to templates with a set of rules restricting formatting, alphanumeric properties, and other filters. This template process is shown as **Figure 5**.

Figure 5. Template Import Process for Local Data



The templates include validation parameters similar to CASGEM templates. CASGEM templates are shown in **Figure 6** as an example of the templates to be used to populate the DMS. The templates will have pop-up windows to describe what should be filled in for each column. If a specific filter must be applied, then only values that meet the criteria will appear in a drop-down list.

Figure 6. CASGEM Template Examples

CASGEM ID	Local or State Well Number	Date (MM/dd/yyyy)	24-hour Time, PST (hh:mm)	NM Code	QM Code
389011N1213514W001	Airport Well 4 MW	11/19/2018	6:49		
389011N12135	t Well 4 MW	12/14/2018	6:24		
389011N12135	t Well 4 MW	1/14/2019	7:23		
389011N12135	t Well 4 MW	2/14/2019	7:18		
389011N12135	t Well 4 MW	3/14/2019	7:44		
389011N12135	t Well 4 MW	4/16/2019	8:55		
388604N12135	-1	11/19/2018	9:15		

CASGEM ID	Local or State Well Number	Date (MM/dd/yyyy)	24-hour Time, PST (hh:mm)	NM Code	QM Code	Reading at RP
389011N1213514W001	Airport Well 4 MW	11/19/2018	6:49			43.950
389011N1213514W001	Airport Well 4 MW	12/14/2018	6:24			
389011N1213514W001	Airport Well 4 MW	1/14/2019	7:23			
389011N1213514W001	Airport Well 4 MW	2/14/2019	7:18			
389011N1213514W001	Airport Well 4 MW	3/14/2019	7:44			
389011N1213514W001	Airport Well 4 MW	4/16/2019	8:55			59.810

No Measurement Code
Please select No Measurement Code.

All the Main and Sub Tables displayed in **Figure 3** will have a template. Additional tables and templates can be added if specified by the EMA GSA members during the DMS data compilation process.

The compiled data will be reviewed by the EMA agencies and GEI Consultants before it is migrated into the database. The data review process will be focused and limited in scope during the development of the Draft GSP. It will include the following checks:

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

2.4.3 STEP 3: Upload Data

Once the data has been compiled, input to the templates, and reviewed, it will be uploaded to the DMS and displayed on a visualization tool (GIS map) interface. The visualization tool is described in Section 2.5. When loading the data, an automated check will be conducted by the DMS to capture errors, if any, and a response will be generated to indicate errors to the team.

Moving forward, the upload templates will be used by the participating agencies to load future data using a webpage interface.

3. Web Interface

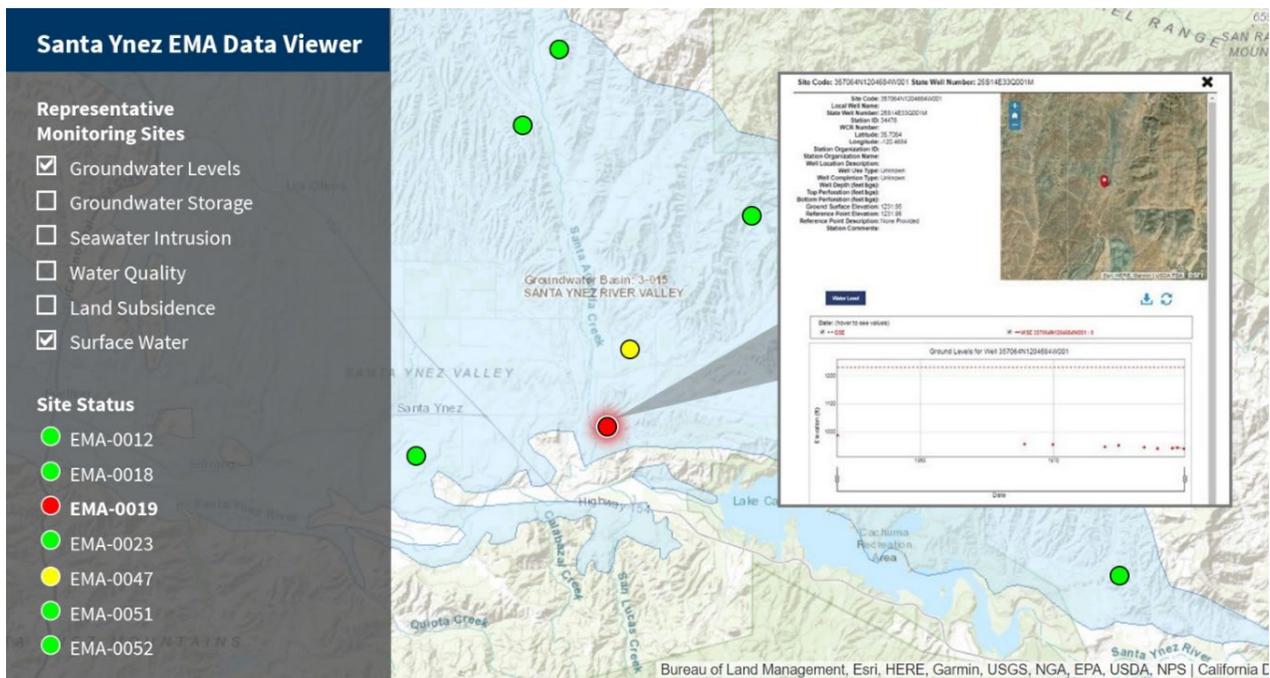
The DMS begins with a database, stored locally or online, and is accompanied by a viewer that allows administrators to see the data in a user-friendly interface. The proposed EMA DMS configuration is a database built in Oracle plus a web application designed in JAVA.

In addition to the data stored in the DMS, the EMA data viewer will be designed to display SGMA-specific sustainable management criteria (SMC) information such as representative monitoring sites, minimum thresholds, measurable objectives, and interim milestones.

The EMA data viewer will be designed as a GIS web-based interface. The DMS information 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.

The data viewer will do more than display the information stored in the DMS. The data viewer will have additional features such as GSA, local agency, and Bulletin 118 basin boundaries to provide context and facilitate EMA interaction with the DMS data. See **Figure 7** for an example design for the EMA data viewer.

Figure 7. Example Design for EMA Data Viewer



**GROUNDWATER SUSTAINABILITY AGENCIES
IN THE SANTA YNEZ RIVER GROUNDWATER BASIN**

PROPOSED 2020 MEETING DATES*

<u>WMA</u>	<u>CMA</u>	<u>EMA</u>
February 26	February 24	February 27
May 20	May 18	May 21
August 26	August 24	August 27
November 18	November 16	November 19

*Meetings will be noticed with final date, time and location consistent with Government Code Section 54954