



Fillmore and Piru Basins
Groundwater Sustainability Agency

Board of Directors Meeting
Thursday
December 17, 2020
5:00p.m.

In accordance with the California Governor’s Executive Stay at Home Order and the County of Ventura Health Officer Declared Local Health Emergency and Be Well at Home Order resulting from the novel coronavirus (COVID-19), the Fillmore City Hall is closed to the public. Therefore, the FPB GSA will be holding its Regular Board of Directors meeting virtually using the ZOOM video conferencing application.

If you are new to ZOOM video conferencing, please visit this help page in advance of the meeting date and time:
<https://support.zoom.us/hc/en-us/articles/201362193-How-Do-I-Join-A-Meeting->

To participate in the Board of Directors meeting via Zoom, please access:
<https://us02web.zoom.us/j/88196853648?pwd=dnJDeFF6L2lnckw4bzRBdnhJZ2lvZz09>

Meeting ID: **881 9685 3648**

Password: **918911**

To hear just the audio portion of the meeting, phone into the toll-free number 877 853 5247
Meeting ID: **881 9685 3648**

All participants are asked to join the meeting at least five minutes in advance of the 5pm start time and be aware that all participants will be “muted” until recognized by the host. If your computer has a camera, please enable it so we can ensure better engagement between participants.

If you would like to address the Board with a question or offer a comment, please follow these simple instructions to engage the host (Clerk of the Board):

1. During a meeting, click on the icon labeled "Participants" at the bottom center of your computer screen.
2. At the bottom of the window on the right side of the screen, click the button labeled "Raise Hand."
3. Once you’ve been recognized by the Chair, please click on “Raise Hand” again to remove the signal.



Similarly, if you have a comment or question for the Board, you can use the “Chat” button to convey your question or comment to the HOST, who will put you in line to address the Board.

The Fillmore and Piru Basins GSA Board of Directors appreciates your participation and patience in using Zoom to conduct its public meeting.

AGENDA

1. Call to Order – First Open Session

1A Pledge of Allegiance

1B Directors Roll Call

1C Public Comments

Fillmore and Piru Basins Groundwater Sustainability Agency (Agency) will accept public comment concerning agenda items at the time the item is considered and on any non-agenda item within the jurisdiction of the Board during the agendaized Public Comment period. No action will be taken by the Board on any non-agenda item. In accordance with Government Code § 54954.3(b)(1), public comment will be limited to three (3) minutes per speaker per issue.

1D Approval of Agenda

Motion

2. Updates

2A Director Announcements/Board Communications:

Oral Reports from the Board

Fillmore Pumpers Association Stakeholder Director Update

Piru Pumpers Association Stakeholder Director Update

Environmental Stakeholder Director Update

City of Fillmore Member Director Update

United Water Conservation District Member Director Update

County of Ventura Member Director Update

2B Executive Director Update

Information Item

The Executive Director will provide an informational update on Agency activities since the previous Board meeting of November 19, 2020.

2C Legal Counsel Update

Information Item

Legal Counsel will provide an informational update on Agency's legal issues and concerns since the previous Board meeting of November 19, 2020.

2D GSP Consultant Update

Information Item

Representatives from Daniel B Stephens & Associates and UWCD will provide an informational update on Agency's GSP development activities since the previous Board meeting of November 19, 2020.

3. CONSENT CALENDAR

All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)

3A Approval of Minutes

The Board will consider approving the Minutes from the Board Meeting of November 19, 2020.

3B Approval of Warrants

The Board will consider approving the following invoices for payment:

United Water Conservation District	\$20,357.57
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3C Monthly Financial Report

The Board will receive the Agency's monthly profit and loss statement and balance sheet.

4. MOTION ITEMS

4A Waiver of Late Fees and Interest for Blake, Leslie Accounts

Motion

The Board will consider Leslie Blake's request to waive late fees and interest in the amount of \$67.20.

4B Waiver of Late Fees and Interest for JC Morris Properties

Motion

The Board will consider JC Morris Properties' request to waive late fees and interest in the amount of \$213.43.

4C Waiver of Late Fees and Interest for McConica II, John R

Motion

The Board will consider John R. McConica II's request to waive late fees and interest in the amount of \$60.53.

4D Waiver of Late Fees and Interest for Mejia, Yolanda

Motion

The Board will consider Yolanda Mejia's request to waive late fees and interest in the amount of \$11.81.

4E Ad Hoc Committees Workloads and Directors Assignments

Motion

The Board will consider the current and anticipated workloads of its Stakeholder Engagement and Communications Ad Hoc Committee and its Sustainable Management Criteria Ad Hoc Committee and consider changes to assignments of Directors to the Ad Hoc Committees.

4F Consider Date for Next Stakeholder Workshop

Motion

The Board will consider possible dates for the next Stakeholder Workshop.

4G Sustainable Management Criteria

Motion

The Board will receive a report from a representative of Daniel B. Stephens & Associates on the development of the Agency's Draft Sustainable Groundwater Management Criteria and provide comments and recommendations.

FUTURE TOPICS FOR BOARD DISCUSSION

ADJOURNMENT

The Board will adjourn to the next **Regular Board Meeting** on Thursday, **January 21, 2021** or call of the Chair

Materials, which are non-exempt public records and are provided to the Board of Directors to be used in consideration of the above agenda items, including any documents provided subsequent to the publishing of this agenda, are available for inspection at UWCD's offices at 1701 N. Lombard Street in Oxnard during normal business hours.

The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied the benefits of, the District's services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda materials in an alternative format, please contact the UWCD Office at (805) 525-4431 or the City of Fillmore at (805) 524-1500. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.

Approved: 
Board Chair Kelly Long

Posted: (date) December 11, 2020 (time) 1:15pm (attest) Eva Ibarra
At: <https://www.FPBGSA.org>

Posted: (date) December 11, 2020 (time) 1:10pm (attest) Eva Ibarra
At: <https://www.facebook.com/FPBGSA/>

Posted: (date) December 11, 2020 (time) 1pm (attest) Eva Ibarra
At: UWCD, 1701 N. Lombard Street, Oxnard CA 93030



Board of Directors Meeting

November 19, 2020

Via Zoom

MINUTES

Directors Present

Director Kelly Long, Chair
Director Ed McFadden, Vice Chair
Director Gordon Kimball
Director Candice Meneghin
Director Glen Pace

Directors Absent

Director Tim Holmgren

Staff Present

Anthony Emmert, executive director
Scott Nave, legal counsel
Eva Ibarra, clerk of the board

Public Present

Lisa Ballin, CSUS/DBS&A
Bryan Bondy, Fillmore and Piru Pumpers Associations
Frank Brommenschenkel
Dan Detmer, UWCD
Burt Handy
Dr. Zachary Hanson, UWCD
Debbie Jackson
Tony Morgan, DBS&A
Patrick O'Connell, DBS&A
Dr. Jason Sun, UWCD
Ambry Tibay, UWCD
Steven Zimmer

1. Call to Order – First Open Session 5:00p.m.

Vice Chair McFadden called the meeting to order at 5p.m.

1A. Pledge of Allegiance

Vice Chair McFadden asked everyone to join him in reciting the Pledge of Allegiance.

1B. Directors Roll Call

Chair Long asked the Clerk to call roll. Five directors were present (Kimball, Meneghin, Pace, Chair Long, Vice Chair McFadden,) Director Holmgren was absent.

1C. Public Comments

Chair Long asked if there were any public comments; none were offered.

1D. Approval of Agenda

Motion

Motion to approve the agenda, Director Pace; Second, Chair Long. Roll call vote: five ayes (Kimball, Chair Long, Vice Chair McFadden, Meneghin, Pace); none opposed; one absent (Holmgren). Motion carries 5/0/1.

2. Director Announcements/Board Communications

2A Fillmore Pumpers Association Stakeholder Director Update

Information Item

Director Kimball stated the Fillmore Basin and Piru Basin Pumpers Associations had their monthly Board meetings on November 10. He then shared the subjects discussed during the meeting with the Agency's board members.

Vice Chair McFadden asked Director Kimball if he felt that there is a need to put something in writing concerning comments on the Sustainable Management Criteria(SMC)?. Director Kimball stated the Pumpers Associations are working on that and requested Director Pace provide insight on the subject as well. Vice Chair McFadden requested Director Kimball share the pumpers' comments regarding the SMCs. Director Kimball shared that the Pumpers Associations desired the Agency set its initial SMC more aggressively, in anticipation of future multi-year droughts. For example, he shared that the pumpers had concerns with using well screens as an undesirable results indicator, and desired to set the initial undesirable result for water level be lower. Director Kimball also stated that the Pumpers Association provided input regarding future agricultural water usage projections for use in the planning process.

Piru Pumpers Association Stakeholder Director Update

Information Item

Director Pace stated there was a lot of discussion at the Pumpers' meeting on November 10 that was prompted by the November 4 Special Board Meeting. The pumpers were happy to be heard at that meeting, especially regarding their concerns about subsidence. Director Pace also expressed that he would like to get more information tonight regarding the technical memorandum, which will help him to provide more information to the pumpers.

City of Fillmore Member Director Update

Information Item

Director Holmgren was absent.

Environmental Stakeholder Director Update

Information Item

Director Meneghin apologized for missing such an important meeting on-November 4 and added that she had followed up with some Environmental Stakeholders that participated in the meeting. She also stated that her group will do what they can to support the Fillmore Piru Basin and will also be providing recommendations. Director Meneghin reported the Water Talk Meeting was videotaped and will be shared on the website. She also thanked Executive Director Emmert for his participation representing the GSA at that meeting as well as for his presentation. Director Meneghin announced that she will be on maternity leave beginning in January and through April and specified the meetings she would still be able to attend during her leave, in particular, she was not sure that she would be able to continue with her participation in the two ad hoc committees.

Executive Director Emmert suggested an item be added to the December agenda to assign another Board member to step in for the ad hoc committees while Director Meneghin is on maternity leave.

United Water Conservation District Member Director Update

Information Item

Vice Chair McFadden mentioned United Waters three-month long water release from the Santa Felicia Dam has been completed.

County of Ventura Member Director Update

Information Item

Chair Long mentioned the Ventura County's Watershed Protection District (VCWPD) received a GIS presentation on the watershed and mentioned the Storm Water project for Piru that has been underway since December 2019. She added that VCWPD is creating a video on this project and its purpose. She also mentioned the governor will be providing an update regarding COVID-19 at 3pm today and reminded everyone of the website being used to communicate COVID-19 updates.

2B Executive Director Update

Information Item

Executive Director Anthony Emmert said he had made note of the concern over a recent invoice Director Pace mentioned during his last update to the Board. Mr. Emmert also provided an update on the Agency's open invoices, recent grant submission to DWR, Groundwater Model validation, recycled water, and chloride removal.

Vice Chair McFadden asked if the Newhall project will be trying to hold onto stormwater run-off and if the Agency will see an increase in stormwater run-off. Mr. Emmert said he did not know the answer and asked Mr. Dan Detmer if he could answer the question. Mr. Detmer explained what he knew about the project and added that he did not have all the details.

2C Legal Counsel Update

Information Item

Legal Counsel Scott Nave updated the Board on the three options it had for collecting on delinquent fees and explained the details of each option.

Director Meneghin asked Mr. Nave about another option that could be implemented for collection on the tax roll. Mr. Nave explained that option.

Chair Long mentioned that if you form a special district, you can use the tax roll for purposes of collection. Mr. Nave said he only knew of property liens and was not aware of being able to collect a debt through the tax roll.

Director Meneghin asked what statute allows districts the authority to collect on tax rolls through the county? Mr. Nave discussed specific districts that have the authority and stated he would like to present the requested information to the Board at a later time.

Chair Long requested an item be added to the agenda to discuss these options in greater detail at the next Board meeting

2D. GSP Consultant Update
Information Item

Mr. Tony Morgan, representing DBS&A, made a presentation to the Board (see slide presentation)

Director Pace said he noticed items listed on the slide presentation have now shifted. Mr. Morgan replied that he has yet to decide how the SMC should be structured and is proposing more discussions at workshops and Board Meetings to provide input as to what should be incorporated into the SMCs. Mr. Morgan and Director Pace discussed the technical memorandum and Mr. Morgan explained what is planned.

Vice Chair McFadden expressed his support of having another workshop to allow time for more input on the SMCs, as there is a great deal of important information that needs to be gathered and organized moving towards the GSPs.

Director Meneghin asked about the data gaps in the water budget and wanted to know if the technical memos will be made available to the public. Mr. Morgan said the technical memos can be found on the Fillmore Piru Basin Groundwater Sustainability Agency website.

Director Kimball thanked Mr. Morgan for listening to the Board and for making the requested changes.

Mr. Bryan Bondy wanted to echo Director Pace's comment about the technical memo as he wants to understand the assumptions behind the calculations and is hoping that information is also in the technical memo posted on the website.

3. CONSENT CALENDAR

3A Approval of Minutes

The Board will consider approving the Minutes from the Board Meeting of October 15 and November 4, 2020.

3B Approval of Warrants

The Board will consider approving the following invoices for payment:

Daniel B. Stephens & Associates, Inc.	\$69,108.11
Olivarez Madruga Lemeiux O'Neill LLP	\$4,828.60
The Fillmore Gazette	\$180.00

3C Monthly Financial Report

The Board will receive a monthly profit and loss statement and balance sheet for the FPBGSA from UWCD's accounting staff.

3D Fiscal Year 2019-2020 Budget Report

The Board will receive the Agency's Fiscal Year 2019-2020 financial reports.

Motion to approve consent calendar, Vice Chair McFadden; Second, Director Pace. Roll call vote: four ayes (Kimball, Pace, Chair Long, Vice Chair McFadden); none opposed; one abstaining (Meneghin); one absent (Holmgren) Motion carries 4//0/1/1.

4. MOTION ITEMS

4A Sustainable Management Criteria

Motion

The Board received a report from Mr. Morgan on the development of the Agency's Draft Sustainable Groundwater Management Criteria and asked the Board and public to provide comments and recommendations.

Mrs. Lisa Ballin shared input received from the November 4 Special Board Meeting.

Mr. Patrick O'Connell made a presentation to the Board. (see slides)

Mr. Morgan made a presentation to the Board. (see slides)

Mr. Brian Bondy asked if he can expect to get information regarding the benefits and effects of stream flows with analysis at the next Board meeting and also asked if DBS&A could provide an inclusion of the model's calibration. Mr. Morgan explained that information will be available at the next Board meeting and stated the model calibration information should be available at the December 9 Stakeholder Workshop.

Director Meneghin asked if the Groundwater Dependent Ecosystems (GDE) technical memo, which is to be delivered in December according to the timeline, will be completed ahead of

the December Board meeting. Mr. Morgan stated it would be after the meeting at the end of December. Mr. Morgan added that he will have an updated map of the GDEs available on the website meanwhile the technical memo is completed.

Director Meneghin asked if 30% increase is a realistic number for the City of Fillmore groundwater pumping as Newhall Ranch is also behind schedule and wondered how DBS&A is factoring in those projections and actualities. Mr. Morgan said he is not the one to make the assumptions as to what the City of Fillmore thinks it wants to happen. He said he asked the City for its best guess and it requested he use the numbers from the 2015 Urban Water Plan. Chair Long asked if the City of Fillmore provided a date as to when it would complete its 2020 Plan. Mr. Morgan stated the 2020 Plan is just getting started and he believes the City has not selected the consultant to do the 2020 update yet.

On chat: Mr. Brian Bondy asked about how much actual demand there was in 2019? And if the City of Fillmore provide that information? Mr. Morgan stated it did not provide that information, and he supposes he could probably add up the pumping of the City's wells to get that number.

Director Meneghin said she thought American Water was now providing water to the community of Piru. Mr. Morgan directed the question to Director Pace. Director Pace said Warring Water is still operating in Piru and discussed the numbers, mentioning that for the foreseeable future, Warring Water is working to have American Water provide the water to the community.

Director Kimball said that recent development in Fillmore and Piru occurred on agricultural lands, so this may be new domestic water use but there was a discontinuation of ag water use, therefore the net change will not be a simple increase. Mr. Morgan agreed with Director Kimball and stated there will be a land use change associated with that and then DBS&A can figure out the differences.

Director Meneghin asked Mr. Morgan if he received input from the Farm Bureau and the County Agricultural Commission with regard to crops projections. Mr. Morgan directed the question to Vice Chair McFadden or Director Kimball. Vice Chair McFadden said he consulted Agricultural Commission documents but did not get direct input from the Agricultural Commission, but the information he sent Mr. Morgan was reviewed by the Farm Bureau and they agreed with his assumptions. He then discussed one of his assumptions with Mr. Morgan.

Director Kimball asked if an Agricultural Commission has historical crop production, can you even project that forward? He added that this just shows how slowly things change but he is not sure if historical production should be used. He also said he feels the Agricultural Commission does not have the data that will help predict the future.

Vice Chair McFadden said to Director Kimball, that if you look back at historical acreage in agriculture you will find it has decreased and that acreage does include dry farming. Vice Chair McFadden also directed a comment to Director Meneghin stating he is sure orchard farmers and row croppers would love to get into the hemp business, but there has been some big complications with that.

Chair Long suggested speaking to the Farm Bureau and Agricultural Commission to determine what the forecast will be.

On chat: Matt Freeman commented he believes the avocado planting will continue to increase east of Piru because of Ventura County's moratorium limiting the hemp industry.

Vice Chair McFadden responded to Matt Freeman's comment, saying he sees avocados replacing other agriculture, although it is tough on the side canyons where it gets really hot, but down in the valley it could take the place of other crops that use more water than avocados.

Director Meneghin asked Mr. Emmert about the Santa Clarita water use and Newhall's runoff. Mr. Emmert explained what he has learned from his monthly meetings but mentioned he does not have the numbers from Santa Clarita just yet. Director Meneghin asked if the Santa Clarita water budget is public. Mr. Emmert said it should be, as they have already provided a presentation to the Agency's Stakeholder Committee.

Chair Long asked if all of today's PowerPoints will be part of the agenda items. Mr. Morgan mentioned there has been conflicting information on subsidence and wanted to clarify.

Vice Chair McFadden addressed Mr. Morgan and Mr. Patrick O'Connell saying that he was very impressed with the stress testing presented.

Motion to receive and file the Sustainable Management Criteria update as presented, Director Meneghin; Second, Vice Chair McFadden. Roll call vote: five ayes, (Kimball, Meneghin, Pace, Chair Long, Vice Chair McFadden). None opposed. One absent (Holmgren) Motion carries 5/0/1

4B Monitoring Wells Project

Motion

The Board received a report from staff and Mr. Morgan of Daniel B. Stephens & Associates on the Monitoring Wells Project and provided comments and recommendations.

Mr. Morgan made a presentation to the Board (see slides)

Motion to receive and file the report on the Monitoring Wells project, Director Meneghin; Second, Director Pace. Roll call vote: five ayes (Kimball, Meneghin, Pace, Chair Long, Vice Chair McFadden); none opposed; one absent (Holmgren) Motion carries 5/0/1.

FUTURE TOPICS FOR BOARD DISCUSSION

Director Kimball requested an email be sent out to all Stakeholders when new information is posted on the FPB GSA website, and that the full Board meeting packet contain the presentations so the Board and public may review prior to the meeting. Mr. Emmert mentioned that it has been challenging to get the presentations early but will do all that he can to ensure presentations are included in the packet.

Vice Chair McFadden asked Mr. Nave if there are supplements to the agenda, can they be added to the packet later. Mr. Nave said yes, but they must also be available to the public and explained other conditions.

Mr. Emmert mentioned even he was unaware of the most recent postings of technical memos to the website and likes the idea of sending out an email blast to all when new information is posted on the website.

Director Kimball asked for clarification on the Brown Act requirements when posting of agenda and packet. Mr. Nave explained the requirement.

The Board asked for the following to be agendized for future meetings:

- Ad hoc committee assignments, in light of Director Meneghin's pending leave.
- Recommendation for collections of outstanding receivables.
- Status report on the Newhall Ranch Project.
- Status Report on the Santa Clarita Sanitary District Chloride Removal Project.

ADJOURNMENT 7:09 p.m.

Chair Long adjourned the meeting at 7:09p.m. to the next **Regular Board Meeting** on Thursday, **December 17, 2020** or call of the Chair.

ATTEST: _____
Kelly Long, Chair, FPB GSA Board of Directors

I certify that the above is a true and correct copy of the minutes of the Fillmore and Piru Basins Groundwater Sustainability Agency's Board of Directors meeting of November 19, 2020.

ATTEST: _____
Eva Ibarra, Clerk of the Board

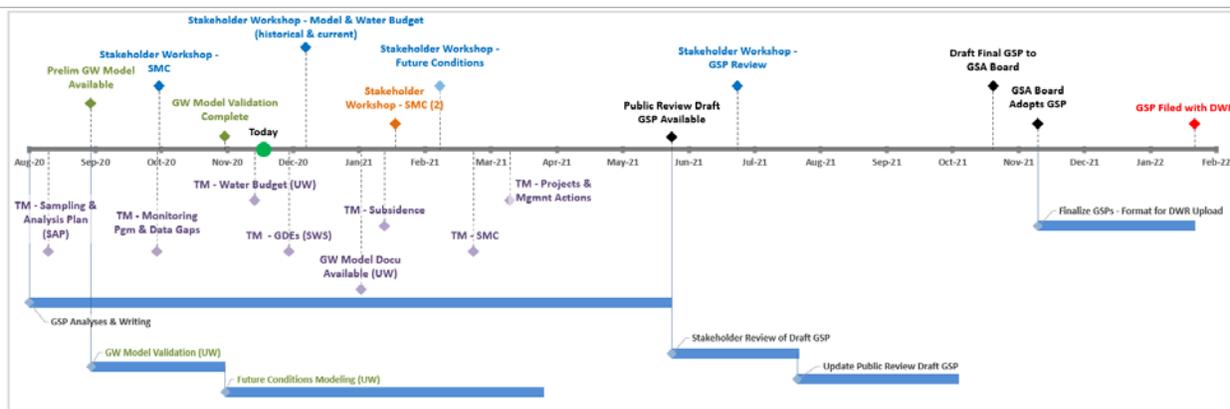
Item 2D - GSP Consultant Update

- Sustainable Management Criteria - Agenda Item 4A
- Monitoring Well Project - Agenda Item 4B



Item 2D - GSP Update

FPB GSP Preparation (w/o Admin Draft) - Tentative Timeline



Item 2D - GSP Update

The screenshot shows the website's navigation bar with the following items: Home, GSA Formation, The Basins, GSP, Public Meetings, Resources, News, and Contact Us. A red arrow points to the GSP menu item. Below the navigation bar, a dropdown menu for GSP is visible, containing the following items:

- 2020 Summary of Past Groundwater Models and Water Budgets for the Piru, Fillmore Groundwater Basins
- 2020 Fillmore and Piru Groundwater Basins Monitoring Program and Data Gap Analysis Memorandum
- 2020 Fillmore and Piru Basins Monitoring Protocols and Standard Methods (Sampling)

Below the list, there is a search bar with the text "@y:words" and a search icon. To the right of the search bar is a calendar for November 2020. A red arrow points to the "Technical Memoranda" section of the dropdown menu.

Item 2D - GSP Update

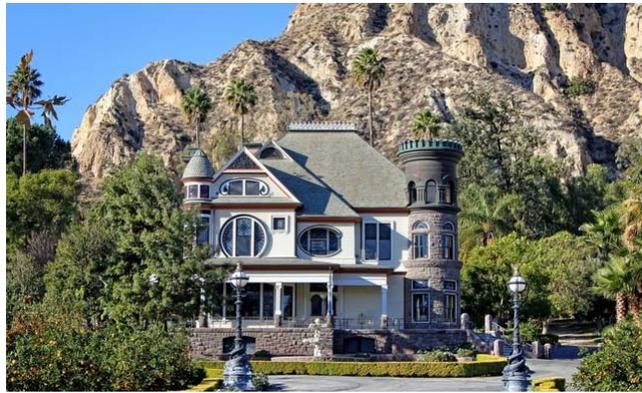
The screenshot shows the website's main content area. The navigation bar is the same as in the previous screenshot. The main content area features the following sections:

- FPBGSA Database**: A section with the text "Fillmore and Piru Basins Groundwater Sustainability Agency's Database" and a link to "Contact Us".
- Reports**: A section with a list of reports, including "2014-2015 Piru Fillmore Basins Biennial Ground Water Conditions Report", "1959 A Plan for Ground Water Management", "1989 DWR Update of Basin Plan for Piru Sespe and Santa Paula Hydrologic Areas", "2007 SWS URS Santa Clara River Vegetation Mapping Report", "2007-USGS-GAMA-Data", "2011 USGS GAMA Fact Sheet", and "2011 USGS GAMA Program".
- Presentations**: A section with a list of presentations, including "Technical Data", "Agency Administrative Documents", and "Additional Information".
- Request for Public Records**: A section with a calendar for November 2020.
- LIKE US**: A section with social media icons for Facebook and YouTube.

Red arrows point to the "GSP" menu item in the navigation bar, the "Reports" section, and the "Technical Data" item in the Presentations section.



Questions ?



Item 4A - Sustainable Management Criteria

- **Special Board Meeting - Nov 4, 2020**
- **Basin “Stress Test” Model Scenarios**
- **GW Water Level - Stream Flow Cross Over Analyses**
- **Future Conditions**
- **Subsidence**



DBS&A
Daniel B. Stephens & Associates, Inc.

Item 4A - Sustainable Management Criteria

Basin “Stress Test” Model Scenarios

- **Use GW model to simulate GW levels when:**
 - **Pumping is increased 20%, 40%, 60%, 80%, and 100%**
 - **Compare GW levels from baseline historical pumping (1985-2019) to scenarios with increased pumping**
 - **Do GW levels recover from dry periods in subsequent wetter periods?**
 - **Pumping increased in all wells regardless of well category (i.e., M&I, Agric, Dom)**



DBS&A
Daniel B. Stephens & Associates, Inc.

Basin "Stress Test"

Preliminary Draft - For Internal Discussion Purposes Only

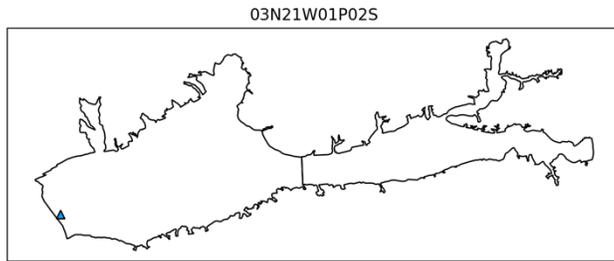
- GW pumping increased for all well categories by 20%, 40%, 60%, 80%, & 100%

Pumping , AFY	Fillmore basin	Piru basin	Total for both basins
Baseline	46,760	11,390	58,150
Baseline + 20%	56,120	13,670	69,780
Baseline + 40%	65,470	15,950	81,420
Baseline + 60%	74,820	18,220	93,050
Baseline + 80%	84,180	20,500	104,680
Baseline + 100%	93,530	22,780	116,310

(Values rounded to nearest 10 AFY)

Basin "Stress Test"

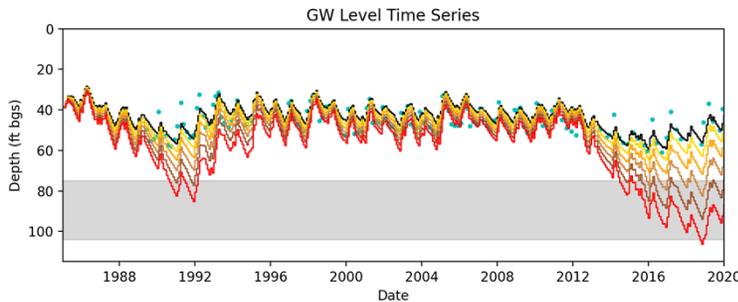
Preliminary Draft - For Internal Discussion Purposes Only



Domestic well
 Aquifer(s): A
 Basin: Fillmore

Summary

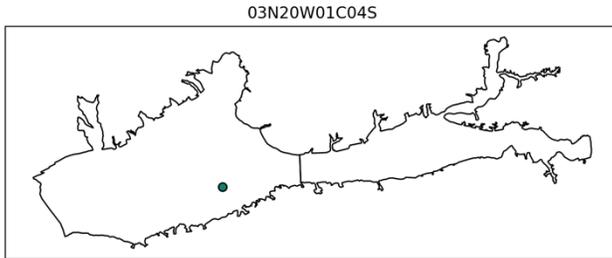
- Even with pumping increased by 100%, WLs recover to within ~10 ft of baseline in wet periods
- Increasing pumping by 20% or 40% allows WLs to recover within ~5ft of baseline in wet periods



Modelled WL
 (baseline_1985_2019)
 (all_wells+20%)
 (all_wells+40%)
 (all_wells+60%)
 (all_wells+80%)
 (all_wells+100%)
 Screened Zone
 (75 to 104 ft)
 Measured WL

Basin "Stress Test"

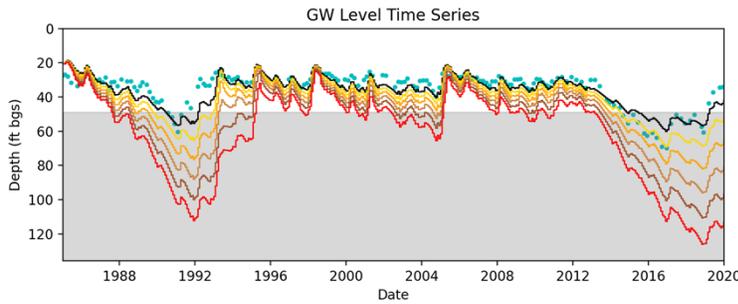
Preliminary Draft - For Internal Discussion Purposes Only



● Agricultural well
Aquifer(s): A+B
Basin: Fillmore

Summary

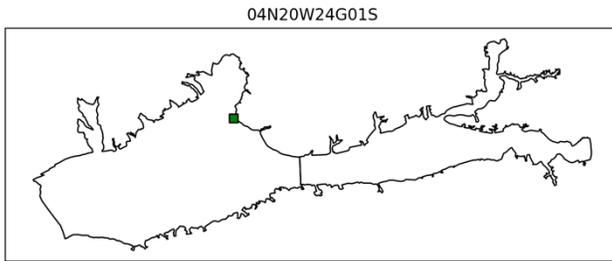
- Even with pumping increased by 100%, WLs recover to within ~20 ft of baseline in wet periods
- Increasing pumping by 20% or 40% allows WLs to recover within ~10ft of baseline in wet periods



— Modelled WL (baseline_1985_2019)
 — (all_wells+20%)
 — (all_wells+40%)
 — (all_wells+60%)
 — (all_wells+80%)
 — (all_wells+100%)
 ■ Screened Zone (49 to 218 ft)
 ● Measured WL

Basin "Stress Test"

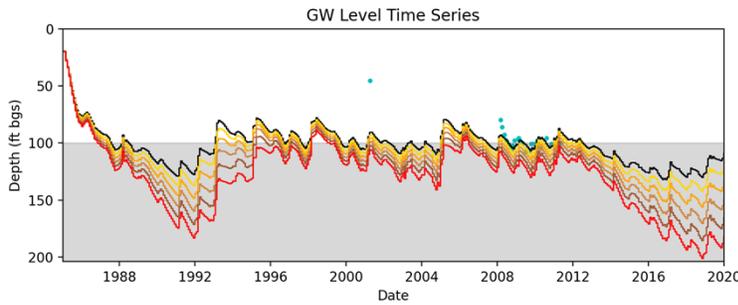
Preliminary Draft - For Internal Discussion Purposes Only



■ Municipal well
Aquifer(s): B
Basin: Fillmore

Summary

- Even with pumping increased by 100%, WLs recover to within ~20 ft of baseline in wet periods
- Increasing pumping by 20% or 40% allows WLs to recover within ~10ft of baseline in wet periods

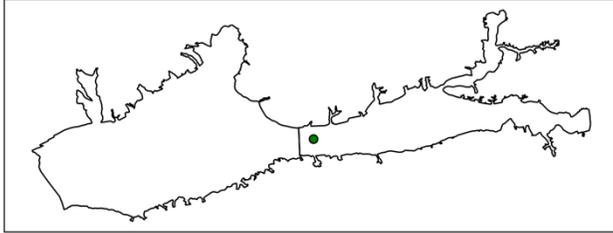


— Modelled WL (baseline_1985_2019)
 — (all_wells+20%)
 — (all_wells+40%)
 — (all_wells+60%)
 — (all_wells+80%)
 — (all_wells+100%)
 ■ Screened Zone (100 to 260 ft)
 ● Measured WL

Basin "Stress Test"

Preliminary Draft - For Internal Discussion Purposes Only

04N19W33H01S

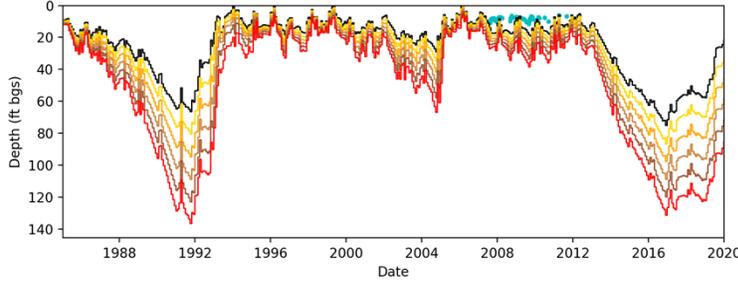


● Agricultural well
 Aquifer(s): B
 Basin: Piru

Summary

- Even with pumping increased by 100%, WLs recover to within ~15 ft of baseline in wet periods
- Increasing pumping by 20% or 40% allows WLs to recover within ~5ft of baseline in wet periods

GW Level Time Series

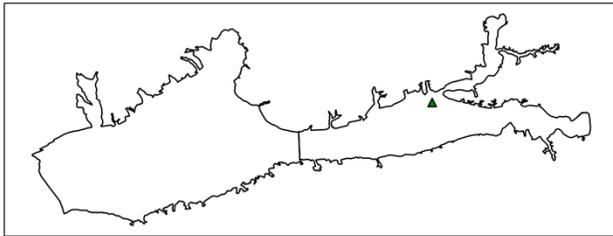


— Modelled WL (baseline_1985_2019)
 — (all_wells+20%)
 — (all_wells+40%)
 — (all_wells+60%)
 — (all_wells+80%)
 — (all_wells+100%)
 ■ Screened Zone (237 to 362 ft)
 ● Measured WL

Basin "Stress Test"

Preliminary Draft - For Internal Discussion Purposes Only

04N18W20M01S

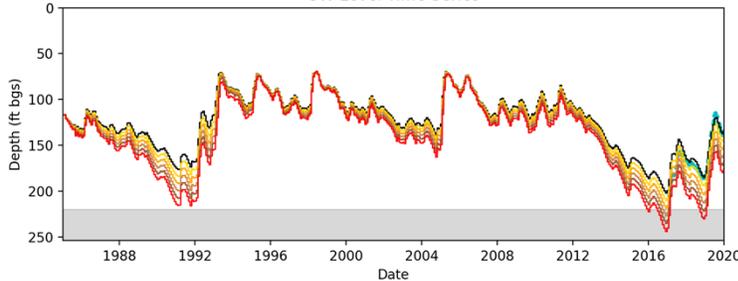


▲ Domestic well
 Aquifer(s): B
 Basin: Piru

Summary

- Even with pumping increased by 100%, WLs recover to within ~10 ft of baseline in wet periods
- Increasing pumping by 20% or 40% allows WLs to recover within ~5ft of baseline in wet periods

GW Level Time Series



— Modelled WL (baseline_1985_2019)
 — (all_wells+20%)
 — (all_wells+40%)
 — (all_wells+60%)
 — (all_wells+80%)
 — (all_wells+100%)
 ■ Screened Zone (220 to 420 ft)
 ● Measured WL

Basin “Stress Test” - Summary (based on limited # of wells)

No. (%) of Wells Evaluated in Model (330 Total)

Pumping Scenario	WL < Top of Screen	WL < Bottom of Screen
Baseline	55 (18%)	0 (0.0%)
Baseline + 20%	75 (25%)	1 (0.3%)
Baseline + 40%	99 (33%)	8 (2.4%)
Baseline + 60%	125 (42%)	14 (4.2%)
Baseline + 80%	150 (50%)	23 (7.0%)
Baseline + 100%	170 (56%)	23 (7.0%)

Preliminary Draft - For Internal Discussion Purposes Only

Basin “Stress Test” - Summary (based on limited # of wells)

In general...

	Recovery	Droughts
Baseline + 20%	WLs recover to within 1 to 10 ft of baseline	Low WLs during droughts are 2 to 10 ft lower than baseline
Baseline + 40%	WLs recover to within 2 to 20 ft of baseline	Low WLs during droughts are 14 to 26 ft lower than baseline
Baseline + 60%	WLs recover to within 3 to 30 ft of baseline	Low WLs during droughts are 26 to 43 ft lower than baseline
Baseline + 80%	WLs recover to within 4 to 40 ft of baseline	Low WLs during droughts are 38 to 59 ft lower than baseline
Baseline + 100%	WLs recover to within 5 to 50 ft of baseline	Low WLs during droughts are 50 to 75 ft lower than baseline

Preliminary Draft - For Internal Discussion Purposes Only

Item 4A - Sustainable Management Criteria

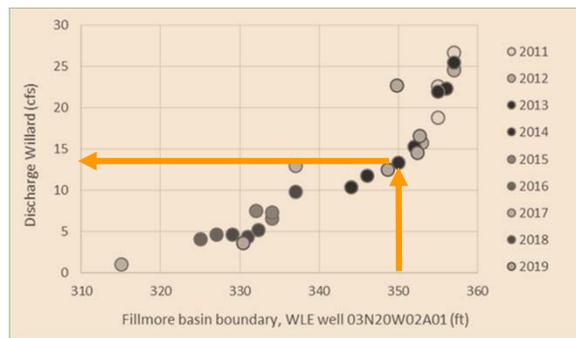
Water Level - Stream Flow Cross Over Analyses

- Expand relationship(s) between WLS in wells near rising GW areas and measured SW flow
- Impact of pumping on SW flows



Water Level - Stream Flow Cross Over Analyses

- Analyses still underway to identify other wells in proximity to the area of rising groundwater - UWCD
- model scenario where all pumping along the SCR is turned off



Item 4A - Sustainable Management Criteria



Future Conditions

- GW extractions
- Major land use changes
- Recycling - more or less than historical period



Future Conditions

- Received input from *City of Fillmore, County of Ventura (Town of Piru, unincorporated areas), Waring Water (Town of Piru), and agricultural stakeholders*
- **City of Fillmore** future conditions based primarily on 2015 UWMP (2020 UWMP is just getting underway)

Table 4-3 Retail: Total Water Demands

Demand Type	2015	2020	2025	2030	2035	2040
Potable and Raw Water From Tables 4-1 and 4-2	1,987	2,582	2,862	3,008	3,161	3,322
	increase	~+30%	~+11%	~+5.1%	~+5.1%	~+5.1%

NOTES: Units are in acre-feet.

- ~5.1% increase in water demand every 5 yrs after 2025

Future Conditions

- Waste water demand also expected to increase
- In 2015, 806 AF percolated at WRP ponds & 178 used for landscape irrigation
- ~5.1% increase in water demand every 5 yrs after 2025

Demand Type	2015	2020	2025	2030	2035	2040
Recycled Water Demand From Table 6-4	984	1,091	1,209	1,270	1,335	1,403
	increase	~+11%	~+11%	~+5%	~+5.1%	~+5.1%

NOTES: Units are in acre-feet.

Future Conditions

Town of Piru

- WWD#16 status quo (~0.2 MDG effluent percolated in existing basins)
- ~241 new homes in 2016-2045 time frame
 - 241 connections * xx AFY (average connection) = xxxxx AFY
 - 241 connections * 2 AFY (de minimus) = 482 AFY (if they had a well)
- Use existing wells for water supply - may need to construct a new well if growth occurs

Future Conditions

Agriculture - general assumptions

- Many family owned farms - change likely to come slowly
- Tree crops require decades of care and are much more stable than row crops.
- The majority of agricultural development in the Fillmore and Piru Basins is in tree crops.
- Row crops are typically of much shorter duration and can change quickly with market conditions.

Future Conditions

Other factors

- **Climate change**
 - Fewer, more intense storms = opportunities for capture and storage
 - Increased frequency of extreme heat waves (limit avocados east of Fillmore?) = more GW pumping
 - With proper management, impact of increased demand dampened by increased storage
- **Huang Long Bing disease**
 - Could eliminate citrus (i.e., oranges) in Ventura County
 - With a cure, citrus acreage might remain about same or increase to replace row crops
- **Irrigation Efficiency**
 - Increased efficiency in future could lower water demand for a crop in a specific climate zone

Future Conditions

General Expected Trends

- Avocado acreage as citrus and row crops
- Avocado hillside development east of Fillmore or depending on climate change
- Row crop acreage replaced with lemons if water in short supply
- Citrus acreage with lemon
- Nursery crop production

Future Conditions

So What this Mean for Water Use?

- ~5% increase in water use over the next 20 years (0.25%/yr)
- After 20 years, very hard to predict
 - Reasonable assumption - GW extractions remain constant from yr 21 into future
 - Assume increase applies to all agricultural wells
- No dramatic increase or decrease in either acreage farmed or water used

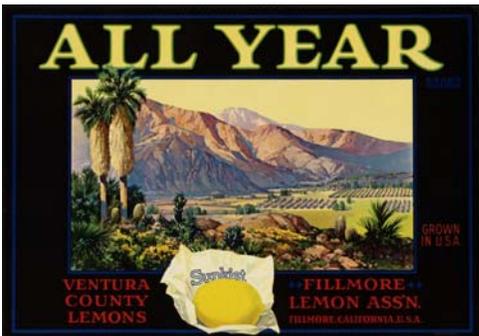
Item 4A - Sustainable Management Criteria

Subsidence

- InSAR (satellite data) provided by DWR for recent past
- DWR committed to providing data for at least next 3 yrs
- Beyond 2023/2024 - no guarantees, details not worked out. DWR has strong interest in continuing



Questions?



Item 4B - Monitoring Well Project Update

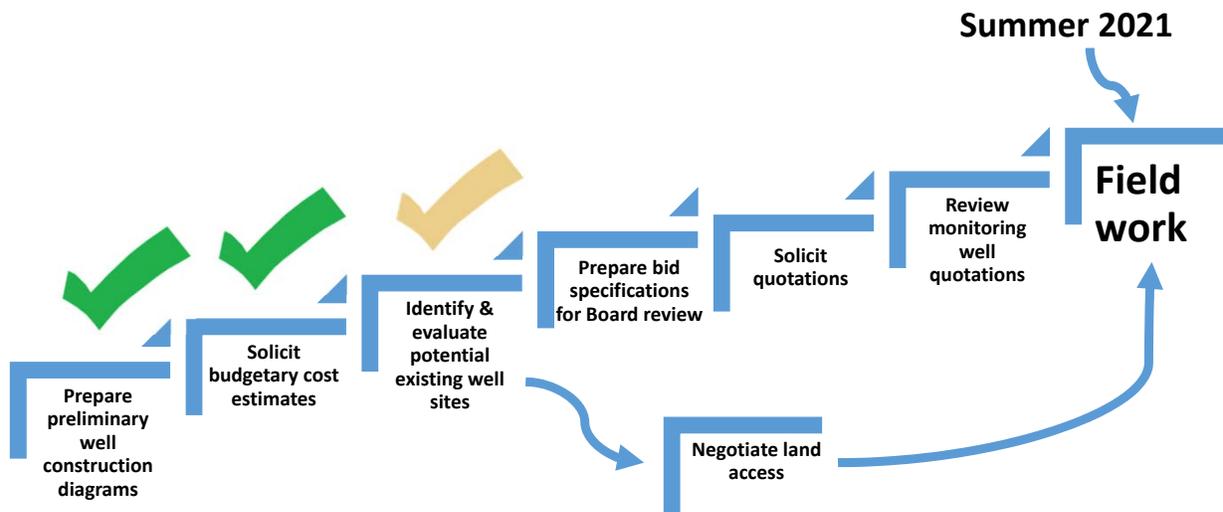
- Combination of nested well(s) and shallow, single completion Monitoring Wells
- Potential locations discussed at previous Board meetings



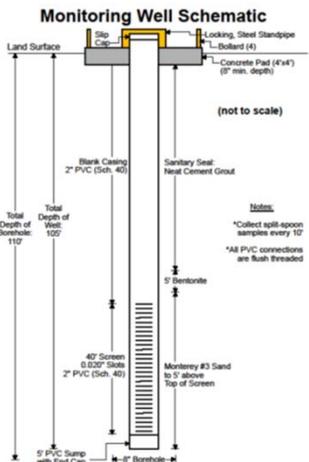
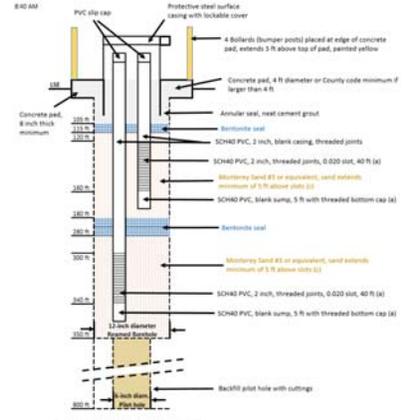
- Project funded by grant
- Joint effort by UWCD staff



Item 4B - Monitoring Well Project Update - General Steps



Questions?



Fillmore and Piru Basins GSA
Check Detail
December 8, 2020

<u>Type</u>	<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Account</u>	<u>Original Amount</u>
Bill Pmt -Check	11101	12/08/2020	United Water Conservation District	10000 - Bank of the Sierra	-20,357.57
TOTAL					-20,357.57



Fillmore and Piru Basins
Groundwater Sustainability Agency

Item No. **3C Consent Calendar**

DATE: **December 17, 2020**

TO: **Board of Directors**

SUBJECT: Monthly Financial Report

SUMMARY

The Board will receive the monthly financial report for the Fillmore and Piru Basins Groundwater Sustainability Agency (Agency).

BACKGROUND

UWCD accounting staff has prepared financial reports based on the Agency revenue and expenses for the month of November 2020.

FISCAL IMPACT

None

Attachments: November 30, 2020 P/L Budget Performance
 November 30, 2020 Balance Sheet

Fillmore and Piru Basins GSA Profit & Loss Budget Performance July through November 2020

	Jul - Nov 20	Annual Budget	Budget
Income			
40001 · Groundwater Extraction Charge	0.00	540,000.00	
41000 · Grant Revenue			
41001 · State Grants	49,206.33	698,246.00	
Total 41000 · Grant Revenue	49,206.33	698,246.00	
47000 · Other Revenue			
47001 · Late Fees	3,578.27	0.00	
47012 · Returned Check Charges	0.00	0.00	
Total 47000 · Other Revenue	3,578.27	0.00	
Total Income	52,784.60	1,238,246.00	
Gross Profit	52,784.60	1,238,246.00	
Expense			
52200 · Professional Services			
52240 · Prof Svcs - IT Consulting	0.00	980.00	
52250 · Prof Svcs - Groundwtr/GSP Prep			
52251 · Prof Svcs - UWCD GW Services	352.00	50,000.00	
52252 · Prof Svcs - GSP Consultant	151,718.46	350,814.00	43.25%
Total 52250 · Prof Svcs - Groundwtr/GSP Prep	152,070.46	400,814.00	37.94%
52270 · Prof Svcs - Accounting	5,315.38	10,000.00	
52275 · Prof Svcs - Admin/Clerk of Bd	11,425.99	10,000.00	
52280 · Prof Svcs - Executive Director	2,913.28	40,000.00	
52290 · Prof Svcs - Other	0.00	1,000.00	
Total 52200 · Professional Services	171,725.11	462,794.00	37.11%
52500 · Legal Fees			
52501 · Legal Counsel	8,116.10	20,000.00	
Total 52500 · Legal Fees	8,116.10	20,000.00	40.58%
53000 · Office Expenses			
53010 · Public Information	0.00	1,000.00	
53020 · Office Supplies	27.03	500.00	
53026 · Postage & Mailing	322.85	2,000.00	
53040 · Membership Dues	0.00	0.00	
53060 · Computer Software	0.00	0.00	
53110 · Travel & Training	1.04	4,000.00	
Total 53000 · Office Expenses	350.92	7,500.00	
53500 · Insurance			
53510 · Liability Insurance	0.00	2,500.00	
Total 53500 · Insurance	0.00	2,500.00	
70000 · Interest & Debt Service			
70120 · Interest Expense	0.00	0.00	
Total 70000 · Interest & Debt Service	0.00	0.00	
70130 · Bank Service Charges	0.00	0.00	
80000 · AR Write-Offs - Bad Debt Exp.	0.00	0.00	
81000 · Capital Expenditures	0.00	200,000.00	
Total Expense	180,192.13	692,794.00	26.01%
Net Income	-127,407.53	545,452.00	-23.36%

Fillmore and Piru Basins GSA

Balance Sheet

As of November 30, 2020

	<u>Nov 30, 20</u>
ASSETS	
Current Assets	
Checking/Savings	
10000 · Bank of the Sierra	438,314.26
Total Checking/Savings	<u>438,314.26</u>
Accounts Receivable	
11000 · Accounts Receivable	205,386.10
Total Accounts Receivable	<u>205,386.10</u>
Total Current Assets	<u>643,700.36</u>
TOTAL ASSETS	<u><u>643,700.36</u></u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 · Accounts Payable	20,357.57
Total Accounts Payable	<u>20,357.57</u>
Total Current Liabilities	<u>20,357.57</u>
Total Liabilities	20,357.57
Equity	
32000 · Retained Earnings	750,750.32
Net Income	-127,407.53
Total Equity	<u>623,342.79</u>
TOTAL LIABILITIES & EQUITY	<u><u>643,700.36</u></u>



Item No. **4E Motion**

DATE: December 9, 2020 (for December 17, 2020 meeting)

TO: Board of Directors

FROM: Anthony A. Emmert, Executive Director

SUBJECT: **Ad Hoc Committees Workload and Directors Assignments**

RECOMMENDATION:

The Board will consider the current and anticipated workloads of its Stakeholder Engagement and Communications Ad Hoc Committee and its Sustainable Management Criteria Ad Hoc Committee and consider changes to assignments of Directors to the Ad Hoc Committees.

DISCUSSION:

The Fillmore and Piru Basins Groundwater Sustainability Agency (Agency) currently has two active ad hoc committees: the Stakeholder Engagement and Communication (SEC) Ad Hoc Committee, and the Sustainable Management Criteria (SMC) Ad Hoc Committee.

The primary function of the SEC Ad Hoc Committee was to develop the draft Stakeholder Engagement and Communication Plan and associated documents. The SEC Ad Hoc Committee, assisted by the Agency's staff and consultant team, produced the draft Plan and the Board of Directors subsequently adopted it. The Agency is currently implementing the Plan. Board Directors currently assigned to the SEC Ad Hoc Committee are Chair Kelly Long, Vice-Chair Edwin McFadden, and Director Candice Meneghin. The SEC Ad Hoc Committee meets occasionally (approximately every other month for one hour) to review and provide recommendations concerning agendas and content for stakeholder workshops.

The primary function of the SMC Ad Hoc Committee was to develop the draft "straw man" Sustainable Management Criteria for consideration by the Board and stakeholders. Over several months, the SMC Ad Hoc Committee provided significant input to the Agency's staff and consultant team regarding development of the draft SMC, and the effort was subsequently shifted to the whole Board of Directors and stakeholders. Board Directors currently assigned to the SMC Ad Hoc Committee are Vice-Chair McFadden, Director Meneghin, and Director Glen Pace. Staff does not anticipate that the SMC Ad Hoc Committee will need to meet again.

During the Board of Directors' November 19, 2020 meeting, Director Meneghin stated that she would need to reduce her workload over the next several months. She stated that she intends to participate in the Board meetings but requested that the Board appoint replacement members for the two ad hoc committees on which she currently serves.

Staff recommends that the Board consider thanking the members of the SMC Ad Hoc Committee and dissolving it, as its work is done. Staff recommends that the Board consider appointing a replacement for Director Meneghin on the SEC Ad Hoc Committee, which still provides occasional valuable advice on upcoming stakeholder outreach activities.

Proposed Motion: "Motion to thank the members of the Sustainable Management Criteria Ad Hoc Committee and dissolve the Committee; thank Director Meneghin for her service on the Stakeholder Engagement and Communication Ad Hoc Committee and appoint [insert name] to replace her."

1st: Director _____ 2nd: Director _____

Voice/Roll call vote: Director Holmgren: Director Kimball: Director Long:
Director McFadden: Director Meneghin: Director Pace:



Item No. **4F Motion**

DATE: December 9, 2020 (for December 17, 2020 meeting)

TO: Board of Directors

FROM: Anthony A. Emmert, Executive Director

SUBJECT: **Consider Date for Next Stakeholder Workshop**

RECOMMENDED ACTION

The Board will consider possible dates for the next Stakeholder Workshop.

BACKGROUND

The Stakeholder Engagement and Communication Ad Hoc Committee has worked with Agency staff and consultant team to develop the agenda focus for the next Stakeholder Workshop, which will focus on the development of the Agency’s Sustainable Management Criteria.

FISCAL IMPACT

There are no fiscal impacts.

ATTACHMENTS

Proposed Motion:		
1 st : Director _____	2 nd : Director _____	
Voice/Roll call vote: Director Holmgren:	Director Kimball:	Director Long:
Director McFadden:	Director Meneghin:	Director Pace:



Item No. **4G Motion Item**

DATE: December 8, 2020 (for December 17, 2020 meeting)

TO: Board of Directors

FROM: Anthony Emmert, Executive Director

SUBJECT: **Sustainable Management Criteria**

SUMMARY:

The Agency will continue to develop its Sustainable Management Criteria with the assistance of its Daniel B. Stephens and Associates consultant team. The focus of the discussion will be additional observations from the “Stress-Test” model scenarios and discussion of groundwater dependent ecosystems.

RECOMMENDATION:

The Board will receive a report from a representative of Daniel B. Stephens & Associates on the development of the Agency’s Draft Sustainable Groundwater Management Criteria and provide comments and recommendations.

BACKGROUND

The Agency’s Sustainable Management Criteria Ad Hoc Committee, assisted by staff from Daniel B. Stephens and Associates (DBS&A), worked diligently for several months toward development of a draft set of Sustainable Management Criteria (SMC), or “Straw Man” SMC, to present to the Board and stakeholders for consideration. The effort focused primarily on the development of draft Sustainability Goals and Undesirable Results. After significant effort, the Ad Hoc Committee recommended that it was time for the whole Agency Board and stakeholders to take over the effort. On October 13, 2020, the Agency received a letter from the Fillmore Basin Pumpers Association and the Piru Basin Pumpers Association recommending a more public SMC development process, confirming the recommendation of the Committee. On October 1, 2020, the Agency held a workshop to provide information on the SMC development process and to receive comments and questions from stakeholders regarding Sustainability Goals and Undesirable Results. At its October 15, 2020 meeting, the Board agreed that the SMC development process needs to be a focus of the whole board and stakeholders and scheduled a special board meeting on November 4, 2020 to further the process.

At the November 4, 2020 special meeting, the DBS&A team provided a presentation on the “Straw Man” SMC, with emphasis on the sustainability indicators: 1) chronic lowering of groundwater levels, 2) land subsidence, 3) degradation of water quality, and 4) reduction of groundwater storage. The Board agreed that the seawater intrusion sustainability indicator is not applicable to the Fillmore Basin or Piru Basin. The Board and stakeholders provided feedback to the DBS&A team regarding the Undesirable Results and Sustainability Goals, and

recommended that staff and DBS&A revise the groundwater sustainability planning schedule to lengthen the time that the Board and stakeholders can develop the SMC in a public process.

At the November 19, 2020 meeting, the DBS&A team provided a presentation on the “Stress-Test” model scenarios, illustrating the effects of potential future pumping increases during severe droughts and recoveries during subsequent wetter periods. The DBS&A team also presented a summary of the future conditions that it recommends including in the plans. The Board and stakeholders provided feedback to staff and consultants from presentations from the November 4 and November 19, 2020 meetings. DBS&A staff also provided the Board with an updated planning schedule that removed the administrative draft milestone and lengthened the stakeholder engagement period for development of the SMC.

During the December 17, 2020 Board meeting, DBS&A staff will provide additional insights from the “Stress-Test” model scenarios, including stream flow observations; provide a presentation on the groundwater dependent ecosystems; and responses to Board input from previous meetings.

For the Agency to maintain its groundwater sustainability planning schedule and produce Sustainable Groundwater Management Act (SGMA) compliant groundwater sustainability plans by December 2021, the Agency must finalize its draft SMCs in the very near future. Agency consultants and staff will use these draft SMC’s to conduct forward-looking modeling, as required by SGMA. If the Agency develops its draft SMC’s soon, there may be time amend the SMCs following the first round of forward-looking modeling.

FISCAL IMPACT

None.

ATTACHMENTS

Presentation.

Proposed Motion:

1st: Director _____

2nd: Director _____

Voice/Roll call vote: Director Holmgren:

Director Kimball:

Director Long:

Director McFadden

Director Meneghin: