

Colusa Groundwater Authority

Groundwater Sustainability Agency

100 Sunrise Blvd., Suite A | Colusa, CA 95932 | 530.458.7709

AGENDA

Informational Meeting

Sustainable Groundwater Management Act (SGMA) Implementation and Funding

January 31, 2019

6:00 - 8:00 p.m.

Colusa Indian Community Events Center,
3740 Highway 45, Colusa, CA 95932 (Just south of Casino)

- 6:00 Meeting Kickoff and Agenda Review*** (Facilitator – Dave Ceppos, Sacramento State)
- 6:05 Welcome and Introductions** (Denise Carter, Chair – Colusa Groundwater Authority [CGA] and Colusa County Supervisor)
- 6:15 Presentation**
- **Sustainable Groundwater Management Act Overview** (Dave Ceppos)
 - **Colusa Groundwater Authority Background** (Denise Carter)
 - **Financing SGMA** (Dave Ceppos, Linda Sloan, Provost & Pritchard Consulting Group)
 - **SGMA Local Compliance and Potential State Actions** (Dave Ceppos)
- 7:10 CGA Board Member Panel – Questions and Answers** (Denise Carter, Hilary Reinhard - RD 108, CGA Vice Chair; Darrin Williams – Private Pumper, Jessie Cain - City Manager, City of Colusa)
- 8:00 Adjourn**

*Every agenda item will include an opportunity for public questions and answers.

*Breaks will be taken as time permits and at the discretion of the facilitator

Public Workshop

Sustainable Groundwater Management Act and Proposed Funding

Hosted by the Glenn Groundwater Authority

YOUR Local Groundwater Management Agency

March 21, 2019 at 6:00 pm, Glenn Success Square Conference Center, 131 E. Walker St., Orland, CA 95963

Workshop topics include:

Sustainable Groundwater Management Act (SGMA)

- ✓ SGMA Requirements
- ✓ Deadlines and Milestones
- ✓ Local control vs. State Intervention
- ✓ Groundwater Basins/Subbasins
- ✓ Groundwater Sustainability Agencies
- ✓ Groundwater Sustainability Plan development and implementation

The Glenn Groundwater Authority (GGA)

- ✓ Agency responsible for SGMA planning and implementation in Glenn County portion of the Colusa subbasin
- ✓ Board of Directors with membership from local cities, irrigation districts and the County
- ✓ Coordinates with the Colusa Groundwater Authority and neighboring agencies
- ✓ Long-term funding

Glenn Groundwater Authority
PO Box 351
Willows, CA 95988

Process Required for GGA Operations Fee or Charge:



Your Input is Needed:

SGMA is a complex new state law requiring management of groundwater. This workshop is an opportunity to learn about SGMA, the funding process and proposed assessment. **Questions and input are encouraged.** If you are unable to attend and want to be notified of other opportunities to provide input, please contact Mallory Serrao (mserrao@ppeng.com; 916-918-2002).

For more information regarding GGA: www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority

Additional SGMA information available at:

- ✓ Department of Water Resources: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>
- ✓ State Water Resources Control Board: https://www.waterboards.ca.gov/water_issues/programs/gmp/sgma.html

GLENN GROUNDWATER AUTHORITY

NOTICE OF HEARING ON PROPOSED FEE

In compliance with California State Law, notice is hereby given that the Glenn Groundwater Authority (GGA) will conduct a **public hearing on:**

July 8, 2019 at 5:30 p.m. at the City of Willows Council Chamber, 201 N. Lassen St., Willows, CA to consider the adoption of a **new property related fee in the amount of \$1.93 per acre annually** for the 2019 Fiscal Year and the subsequent four fiscal years, to fund operations of the GGA.

Notificación en Español:

Para leer este aviso en Español, visite el sitio web de GGA <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> o llame (916) 918-2020 para solicitar que se le envíe un aviso por correo o correo electrónico.

Background:

The GGA is a nine-member, multi-agency Joint Powers Authority that was formed on June 20, 2017. The GGA is the Groundwater Sustainability Agency (GSA) responsible for implementation and compliance of the Sustainable Groundwater Management Act (SGMA) in the Glenn County portion of the Colusa Subbasin (5-21.52). The Board of the GGA is composed of representatives of the following:

County of Glenn, City of Orland, City of Willows, Glenn-Colusa Irrigation District, Glide Water District, Princeton-Codora-Glenn/Provident Irrigation District (1 seat), Orland-Artois Water District, and Kanawha Water District.

As a groundwater regulating agency, the GGA (in partnership with other adjacent GSAs such as the Colusa Groundwater Authority [CGA]) is tasked with achieving and maintaining sustainable groundwater conditions in the Colusa Subbasin (Basin). Compliance with SGMA is achieved through the preparation and implementation of one or more Groundwater Sustainability Plans (GSP or Plan). Plan development is underway in the Basin and the Plan(s) must be adopted by January 31, 2022. If the local GSAs do not comply with SGMA including the development of the Plan(s) and the necessary activities required to implement the Plans, the State Water Resources Control Board may take over groundwater management responsibilities.

Long-Term Funding:

In order to ensure initial SGMA compliance and to provide a mechanism to begin this long-range effort, the GGA Member agencies agreed to fund the agency operations for the first two years. GGA operations include administration, legal services, consultant services, insurance, office and outreach materials, accounting, monitoring and reporting to DWR, and special studies, if needed. The GGA has received Proposition 1 grant funding to cover a majority of the work to develop a Plan; however, costs for Plan preparation and initial implementation that are in excess of grant funding will also need to be covered by the GGA Operations Fee.

To fund its activities and the development of an adequate Plan, the GGA developed a budget for annual operations expenses for a five-year period spanning fiscal years 2019/20 to 2023/24. This budget includes projected costs for Plan preparation and initial implementation, administration, legal services, insurance, printing/copying, accounting, facilitation, monitoring and reporting to the Department of Water Resources (DWR), and special studies, if needed.

SGMA provides authority for GGA to charge fees to support its operations. The GGA has retained Provost & Pritchard Consulting Group to prepare a fee study to review the best options to fund GGA operations over the next five years. An operations cost and fee analysis is included in the study. Each parcel of land within the GGA's

boundary is receiving SGMA management services from the GGA and the fee was developed by allocating the GGA budget in proportion to the cost of providing services to each acre of land in its service area. By law, the GGA may not collect more revenue from property related fees than is necessary to provide the cost of the water related service.

One of the GGA's foundational Guiding Principles is to protect its service area from **extremely expensive and intrusive State groundwater intervention actions**.

If the State Water Resources Control Board intervenes in the Basin, it may impose annual fees ranging from \$100 per de minimis well, to \$300 per well plus up to \$55 per acre-foot pumped per well, with no guarantee of assistance in bearing costs to address any groundwater issues that prompt its intervention. See https://www.waterboards.ca.gov/water_issues/programs/gmp/docs/intervention/intervention_fs.pdf for more complete information. By collecting the Operations Fees, GGA will provide landowners with local groundwater management with a tailored, more affordable approach for managing the Basin.

Notice:

In addition to this notice, the GGA has also posted the notice on the GGA website at <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> and has been published in accordance with Government Code 6066 and Water Code section 10730.

Proposed Property Related Fee:

This notice is for the GGA's proposal to implement a per-acre charge to fund the GGA operations, supplement Plan preparation, and begin initial GSP implementation. The GGA is considering the adoption of a property related fee in the amount of:

- **\$1.93 per acre** (in 2019 dollars)
- The proposed charges, if approved, will become effective for the 2019/20 Glenn County fiscal year, with the first payment due by December 10, 2019.

For more information, including the fee study summarizing the findings, please visit the GGA website at <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> or call Provost & Pritchard (GGA's Consultant) at (916) 918-2002. The fee study is also available for review during normal business hours at 720 N Colusa St., Willows, CA 95988.

Public Hearing and Majority Protest:

The proposed GGA Operations Fee is a property related fee governed by Proposition 218. Under the California State Constitution, owners of land subject to the proposed GGA Operations Fee have the right to protest its adoption. If you have received this notice, parcel(s) under your ownership will be subject to the GGA Operations Fee if adopted. If written protests are submitted accounting for a majority of the total assessed parcels, GGA will not adopt the Operations Fee. Absent a majority protest, GGA is authorized to adopt the proposed Operations Fee at the public adoption hearing.

Landowners desiring to protest the proposed GGA Operations Fee should send their written protest to:

Glenn Groundwater Authority
c/o Provost & Pritchard Consulting Group
P.O. Box 8929
Chico, California 95927

Protests may also be submitted to the Board Secretary at the Public Hearing, located at the City of Willows Council Chamber, 201 N. Lassen St., Willows, California. **All protests must be received by the close of the Public Hearing on July 8, 2019 to be counted.**

Information Availability:

- Call Provost & Pritchard (GGA's Consultant) at **(916) 918-2002**
- View more information online at <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>
- Para leer este aviso en Español, visite el sitio web de GGA <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> o llame (916) 918-2020 para solicitar que se le envíe un aviso por correo o correo electrónico.

- The Fee Study is available for review during normal business hours at 720 N Colusa St., Willows, CA 95988
- For more information about SGMA, see the California Department of Water Resources website: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>

If you do not wish to protest the proposed GGA Operations Fee, you need not take any action.

To Protest:

All protests must include:

- Landowners printed name(s),
- Parcel number(s) or street address for each property affected by the GGA Operations Fee,
- Statement of opposition or protest, and
- Valid signature(s)

Each parcel is entitled to one protest. The protest may be mailed in or hand delivered at the hearing but must be received by the GGA by the close of the hearing to count toward the protest vote.

For your convenience, you may utilize the Protest Form below:



PROTEST FORM FOR THE ADOPTION OF PROPOSED GGA OPERATIONS FEE

Landowner(s) printed name: _____

Parcel Number(s): _____

Reason for Protest:

Landowner(s) signature: _____

GLENN GROUNDWATER AUTHORITY

A VISO DE AUDIENCIA SOBRE LA TARIFA PROPUESTA

En cumplimiento de la Ley del Estado de California, se notifica que la Glenn Groundwater Authority (GGA) realizará una **audiencia pública el día:**

8 de Julio del 2019 a las 5:30 p.m. en la Cámara del Consejo de la Ciudad de Willows ubicada en 201 N. Lassen St., Willows, CA para considerar la adopción de una **nueva tarifa relacionada con la propiedad en la cantidad de \$ 1.93 por acre por año** para el Año Fiscal 2019 y los cuatro años fiscales subsiguientes, para financiar las operaciones de la GGA.

Antecedentes:

La GGA es una multi-agencia de Autoridad de Poderes Conjuntos constituida por nueve miembros que se formó el 20 de Junio del 2017. La GGA es la Agencia de Sostenibilidad del Agua Subterránea (GSA) responsable de la implementación y el cumplimiento de la Ley de Administración Sostenible del Agua Subterránea (SGMA) en el Condado de Glenn en la porción correspondiente de la Subcuenca de Colusa (5-21.52). El Consejo de la GGA está compuesta por representantes de las siguientes agencias:

Condado de Glenn, Ciudad de Orland, Ciudad de Willows, Glenn-Colusa Irrigation District, Glide Water District, Princeton-Codora-Glenn Irrigation District / Provident Irrigation District (1 asiento), Orland-Artois Water District, y Kanawha Water District.

Como agencia reguladora del agua subterránea, la GGA (en asociación con otras GSA adyacentes, como la Colusa Groundwater Authority [CGA]) tiene la tarea de lograr y mantener condiciones sostenibles de las aguas subterráneas en la Subcuenca de Colusa (Cuenca). El cumplimiento con SGMA se logra a través de la preparación e implementación de uno o más Planes de Sostenibilidad de Agua Subterránea (GSP o Plan). El desarrollo del plan está en marcha en la Cuenca y el (los) Plan (es) debe (n) ser adoptado (s) antes del 31 de Enero del 2022. Si las GSA locales no cumplen con SGMA, incluido el desarrollo del (los) Plan (es) y las actividades necesarias para implementar los Planes, la Junta de Control de los Recursos Hídricos del Estado puede asumir las responsabilidades de administración del agua subterránea.

Financiamiento a Largo Plazo:

Con el fin de garantizar el cumplimiento inicial de SGMA y proporcionar un mecanismo para comenzar este esfuerzo de largo plazo, las agencias de Miembro de GGA acordaron financiar las operaciones de la agencia durante los primeros dos años. Las operaciones de GGA incluyen administración, servicios legales, servicios de consultoría, seguros, materiales de oficina y educación, contabilidad, monitoreo e informes al DWR, y estudios especiales, si son necesarios. El GGA ha recibido fondos de la Proposición 1 para cubrir la mayoría del trabajo para desarrollar un Plan; sin embargo, los costos para la preparación del Plan y la implementación inicial que excedan los fondos iniciales disponibles deberán también cubrirse con la Tarifa de Operaciones de GGA.

Para financiar sus actividades y el desarrollo de un Plan adecuado, el GGA desarrolló un presupuesto para los gastos de operaciones anuales para un período de cinco años que incluye los años fiscales 2019/20 a 2023/24. Este presupuesto incluye los costos proyectados para la preparación e implementación inicial del Plan, la administración, los servicios legales, los seguros, la impresión / copia, la contabilidad, la facilitación, el monitoreo y la presentación de informes al Departamento de Recursos Hídricos (DWR), y estudios especiales, si son necesarios.

SGMA otorga autoridad a GGA para cobrar tarifas para apoyar sus operaciones. GGA ha contratado a Provost & Pritchard Consulting Group para preparar un estudio de tarifas para revisar las mejores opciones para financiar las operaciones de GGA en los próximos cinco años. El estudio incluye un análisis de costos y tarifas de operaciones. Cada parcela de terreno dentro del límite de GGA recibe servicios de administración de SGMA de GGA y la tarifa se desarrolló asignando el presupuesto de GGA en proporción al costo de proporcionar servicios a cada acre de terreno en su área de servicio. Por ley, la GGA no puede recaudar más ingresos de las tarifas relacionadas con la propiedad de lo que es necesario para proporcionar el costo del servicio relacionado con el agua.

Uno de los Principios Rectores fundamentales es el de proteger su área de servicio de **acciones de intervención estatales del agua subterránea extremadamente costosas e intrusivas**.

Si la Junta de Control de los Recursos Hídricos del Estado interviene en la cuenca, podría imponer tarifas anuales con un mínimo de \$100 por pozo, y hasta de \$300 por pozo, y adicionalmente hasta \$55 por acre-pie bombeado por pozo, sin garantía de asistencia en los costos de soporte para resolver los problemas de agua subterránea que causan su intervención. Para mayor información consulte el vínculo

https://www.waterboards.ca.gov/water_issues/programs/gmp/docs/intervention/intervention_fs.pdf.

Al cobrar la Tarifa de Operaciones, la GGA les brindará a los propietarios una administración local del agua subterránea con un enfoque personalizado y más accesible para la administración de la Cuenca.

Notificación en Español:

Para leer este aviso en Español, visite el sitio web de la GGA <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> o llame al (916) 918-2020 para solicitar que se le envíe un aviso por correo o correo electrónico.

Aviso:

Además de este aviso, la GGA también publicó el aviso en el sitio web de la GGA en <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> y se publicó de conformidad con el Código de Gobierno 6066 y la sección 10730 del Código de Aguas.

Tarifa de Propiedad Propuesta:

Este aviso es para la propuesta de la GGA para implementar un cobro por acre para financiar las operaciones de la GGA, suplementar la preparación del Plan, y empezar la implementación inicial del GSP. La GGA está solicitando un cargo de:

- **\$1.93 por acre** (en dólares del 2019)
- Los cargos propuestos, si se aprueban, entrarán en vigencia para el año fiscal 2019/20 del Condado de Glenn, con el primer pago que debe realizarse antes del 10 de Diciembre del 2019.

Para obtener más información, incluido el estudio de tarifas que resume los resultados, visite el sitio web de la GGA en <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> o llame a Provost & Pritchard (Consultor de GGA) al (916) 918-2002. El estudio de tarifas también está disponible para revisión durante las horas normales de trabajo en 720 N Colusa St., Willows, CA 95988.

Audiencia Pública y Protesta Mayoritaria:

La Tarifa de Operaciones del GGA propuesta es una tarifa relacionada con la propiedad que se rige por la Proposición 218. Según la Constitución del Estado de California, los propietarios de tierras sujetas a la Tarifa de Operaciones de la GGA propuesta tienen el derecho de protestar por su adopción. Si ha recibido este aviso, las parcelas bajo su propiedad estarán sujetas a la adopción de la Tarifa de Operaciones de la GGA. Si se presentan protestas por escrito que representan la mayoría del total de parcelas evaluadas, la GGA no adoptará la Tarifa de Operaciones. A falta de una protesta mayoritaria, la GGA está autorizada para adoptar la Tarifa de Operaciones propuesta en la audiencia pública de adopción.

Los propietarios que deseen protestar la Tarifa de Operaciones de la GGA propuesta deben enviar su protesta por escrito a:

Glenn Groundwater Authority
c/o Provost & Pritchard Consulting Group
P.O. Box 8929
Chico, California 95927

Las protestas también pueden presentarse al Secretario de la Junta en la Audiencia Pública, ubicada en la Cámara del Consejo de la Ciudad de Willows, 201 N. Lassen St., Willows, California. **Todas las protestas deben recibirse antes del cierre de la audiencia pública del 8 de Julio del 2019 para ser contadas.**

Disponibilidad de Información:

- Llame a Provost & Pritchard (Consultor de GGA) al **(916) 918-2002**
- Vea más información en línea en <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>
- Para leer este aviso en Español, visite el sitio web de la GGA <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority> o llame al (916) 918-2020 para solicitar que se le envíe un aviso por correo o correo electrónico.
- El Estudio de Tarifas está disponible para revisión durante las horas normales de trabajo en 720 N Colusa St., Willows, CA 95988
- Para obtener más información sobre SGMA, consulte el sitio web del Departamento de Recursos Hídricos de California: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>

Si no desea protestar por la Tarifa de Operaciones de la GGA propuesta, no necesita realizar ninguna acción.

Para Protestar:

Todas las protestas deben incluir:

- Nombre escrito del(los) dueño(s),
- Número de la(s) parcela(s) o dirección para cada propiedad afectada por la Tarifa de Operaciones de la GGA.
- Declaración de oposición o protesta, y
- Firma(s) válida(s)

Cada parcela tiene derecho a una protesta. La protesta puede ser enviada por correo o entregada personalmente en la audiencia, pero debe ser recibida por la GGA antes del cierre de la audiencia para el conteo de los votos de protesta.

Para su conveniencia puede utilizar el Formulario de Protesta que está a continuación:



FORMULARIO DE PROTESTA PARA LA ADOPCIÓN DE LA TARIFA DE OPERACIONES

Nombre escrito del(los) Dueño(s): _____

Número(s) de Parcela(s): _____

Razón para la Protesta:

Firma del(los) propietario(s): _____

GLENN GROUNDWATER AUTHORITY

**AFFIDAVIT OF MAILING OF NOTICE OF HEARING
AND MAJORITY PROTEST FORM
TO CERTAIN LANDOWNERS WITHIN THE BOUNDARIES OF
THE GLENN GROUNDWATER AUTHORITY**

STATE OF CALIFORNIA)
) ss.
COUNTY OF GLENN)

The undersigned says:

That I, Linda G. Sloan, am Vice President of Provost & Britchard, an agent of the Glenn Groundwater Authority, and was responsible for managing the mailing the Notice of Public Hearing to landowners from a list prepared from the County's tax roll on the Authority's proposed property-related fee.

I declare that at or before 5:00 p.m. on May 23, 2019, I supervised the mailing of copies of the "NOTICE OF PROPOSED FEE", and protest form, both in the form attached hereto marked Exhibit "A", to all landowners that would be affected by the Authority's proposed fee within the boundaries of the Authority as shown on the roll attached as Exhibit "B". Each Notice contained the specific applicable information taken from the roll.

That said mailing was accomplished by depositing in the United States Mail at Chico, California, with proper and necessary postage prepaid, envelopes addressed as aforesaid.

I CERTIFY under penalty of perjury that the foregoing is true and correct.

Executed at Siskiyou County, California, this 8 day of July, 2019.

Linda G. Sloan

Please see attached sheet for CA
Acknowledgment/Jurat
As per CA Civil Codes 1189/8202

Exhibit A: Notice and Protest Form
Exhibit B: County's Tax Roll

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

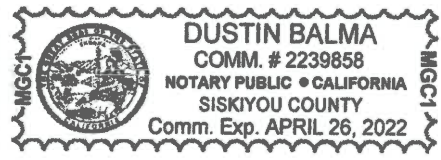
A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of Siskiyou }

On 8th July 2019, before me, Dustin Balma, Notary Public,
personally appeared Linda Sloan

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of State of California that the foregoing paragraph is true and correct.



PLACE NOTARY SEAL ABOVE

WITNESS my hand and official seal.

SIGNATURE 

PROOF OF PUBLICATION

No. 3778

In the Matter of
Glenn Groundwater Authority- Notice of Public
Hearing on July 8, 2019 at 5:30 pm
Pursuant to Water Code section 10730(b)(2) and
Government Code section 6066...

State of California)
County of Glenn) ss

The undersigned resident of the County of Glenn,
State of California, says:

That I am, and at all time herein mentioned was
a citizen of the United States and not a party to
nor interested in the above entitled matter; that I
am the principal clerk of the publisher of:


The Sacramento Valley Mirror

That said newspaper is one of general circulation
as defined by Section 6000 Government Code of
the State of California, Case No. 27,207 by the
Superior Court of the State of California, in and
for the County of Glenn, Case #02CV00614; that
said newspaper at all times herein mentioned was
published twice a week (on Wednesdays and
Saturdays) in the town of Willows and County of
Glenn; that the notice of which the annexed is a
true printed copy, was published in said news-
paper on the following days:

June 22, 29, 2019

I certify (or declare), under penalty of perjury, that
the foregoing is true and correct, at the County
of Glenn, Willows, California.

Date July 1, 2019
at Willows, California.



Tim Crews, Publisher

NOTICE OF PUBLIC HEARING

Pursuant to Water Code section 10730(b)(2) and Govern-
ment Code section 6066, notice is hereby given that the Glenn
Groundwater Authority will hold a public hearing on **July 8,
2019** at 5:30 pm, or as soon thereafter as may be heard, at the
Willows City Council Chambers, 201 North Lassen Street, Wil-
lows, CA 95988, to consider the adoption of a new property
related fee in the amount of \$1.93 per acre annually for the 2019
Fiscal Year and the subsequent four fiscal years to fund the op-
erations of the Glenn Groundwater Authority to comply with
the Sustainable Groundwater Management Act of 2014.

Information regarding the proposed fee is available online
at [https://www.countyofglenn.net/dept/agriculture/water-
resources/glenn-groundwater-authority/gga-information](https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority/gga-information), by
calling the Glenn Groundwater Authority Consultant at (916)
918-2002, or by visiting the Glenn Groundwater Authority of-
fice at 720 North Colusa Street, Willows, CA 95988.

RECEIVED

JUL 03 2019

GLENN COUNTY
DEPARTMENT OF AGRICULTURE

Glenn Groundwater Authority

Groundwater Sustainability Agency

PO Box 351, Willows, CA 95988 | 530.934.6501

AGENDA

Public Information Workshop Sustainable Groundwater Management Act (SGMA) Implementation and Funding

March 21, 2019

6:00 - 8:00 p.m.

Glenn Success Square Conference Center
131 E. Walker Street, Orland, CA

- 6:00 Welcome and Introductions** (John Viegas – Glenn Groundwater Authority [GGA])
- 6:10 Meeting Kickoff and Agenda Review*** (Facilitator – Dave Ceppos - Sacramento State)
- 6:15 Presentation** (Dave Ceppos)
- **Sustainable Groundwater Management Act Overview**
 - **Glenn Groundwater Authority Background**
 - **Financing SGMA Implementation**
 - **SGMA Local Compliance and Potential State Intervention**
- 7:15 Questions and Answer Session**
- 8:00 Adjourn**

*Attendees will be given cards to write questions they would like answered during the Question and Answer Session. Board members and staff will be available to help formulate questions, bring new comment cards, and collect comment cards.

*Breaks will be provided as time permits and at the discretion of the facilitator

Glenn Groundwater Authority

Groundwater Sustainability Agency

PO Box 351, Willows, CA 95988 | 530.934.6501

AGENDA

Public Information Workshop Sustainable Groundwater Management Act (SGMA) Implementation and Funding

March 28, 2019

6:00 - 8:00 p.m.

Willows City Council Chambers

201 N Lassen St, Willows, CA

- 6:00 Welcome and Introductions** (John Amaro – Glenn Groundwater Authority [GGA])
- 6:10 Meeting Kickoff and Agenda Review*** (Facilitator – Dave Ceppos - Sacramento State)
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Glenn Groundwater Authority Contact Information

Lisa Hunter
Program Manager
PO Box 351
720 N Colusa St
Willows, CA 95988
(530) 934-6501
Lhunter@countyofglenn.net

Stay Involved

- Sign up for email updates and notifications
 - Fill out the email sign-up form
 - Email glennsgma@countyofglenn.net
 - Call (530) 934-6501 and request to be added to the email list
- Attend meetings- check website (see below) for location, updates, meeting announcements, or cancellations
 - Regular Board Meetings: 2nd Monday of each month at 1:30 pm
 - Executive Committee Meetings: 4th Wednesday of each month at 9:30 am

Public Workshops

March 21
6-8pm
Glenn Success Square Conference Center
131 E Walker St
Orland, CA 95963

March 28
6-8pm
Willows City Council Chambers
201 N Lassen St
Willows, CA 95988

April 2
6-8pm
Ord Bend Community Hall
3241 Highway 45
Glenn, CA 95943



Links to additional information:

- Glenn Groundwater Authority: <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>
- Glenn County SGMA Activities: <https://www.countyofglenn.net/dept/agriculture/water-resources/sustainable-groundwater-management-act-sgma-0>
- Department of Water Resources: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>
- State Water Resources Control Board: https://www.waterboards.ca.gov/water_issues/programs/groundwater/

Glenn Groundwater Authority

Groundwater Sustainability Agency

PO Box 351, Willows, CA 95988 | 530.934.6501

AGENDA

Public Information Workshop Sustainable Groundwater Management Act (SGMA) Implementation and Funding

April 2, 2019

6:00 - 8:00 p.m.

Ord Bend Community Hall
3241 Highway 45, Glenn, CA

- 6:00 Welcome and Introductions** (John Viegas – Glenn Groundwater Authority [GGA])
- 6:10 Meeting Kickoff and Agenda Review*** (Facilitator – Dave Ceppos - Sacramento State)
- 6:15 Presentation** (Dave Ceppos)
- **Sustainable Groundwater Management Act Overview**
 - **Glenn Groundwater Authority Background**
 - **Financing SGMA Implementation**
 - **SGMA Local Compliance and Potential State Intervention**
- 7:15 Questions and Answer Session**
- 8:00 Adjourn**

*Attendees will be given cards to write questions they would like answered during the Question and Answer Session. Board members and staff will be available to help formulate questions, bring new comment cards, and collect comment cards.

*Breaks will be provided as time permits and at the discretion of the facilitator

Glenn Groundwater Authority Contact Information

Lisa Hunter
Program Manager
PO Box 351
720 N Colusa St
Willows, CA 95988
(530) 934-6501
Lhunter@countyofglenn.net

Stay Involved

- Sign up for email updates and notifications
 - Fill out the email sign-up form
 - Email glennsgma@countyofglenn.net
 - Call (530) 934-6501 and request to be added to the email list
- Attend meetings- check website (see below) for location, updates, meeting announcements, or cancellations
 - Regular Board Meetings: 2nd Monday of each month at 1:30 pm
 - Executive Committee Meetings: 4th Wednesday of each month at 9:30 am

Public Workshops

March 21
6-8pm
Glenn Success Square Conference Center
131 E Walker St
Orland, CA 95963

March 28
6-8pm
Willows City Council Chambers
201 N Lassen St
Willows, CA 95988

April 2
6-8pm
Ord Bend Community Hall
3241 Highway 45
Glenn, CA 95943



Links to additional information:

- Glenn Groundwater Authority: <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>
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- Department of Water Resources: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>
- State Water Resources Control Board: https://www.waterboards.ca.gov/water_issues/programs/groundwater/

Glenn Groundwater Authority

Public Hearing on Proposed Property Related Fee

July 8, 2019

Dave Ceppos

Consensus and Collaboration Program
College of Continuing Education, Sacramento State

Program

- Sustainable Groundwater Management Act (SGMA) Overview
- Glenn Groundwater Authority
- Financing SGMA Implementation



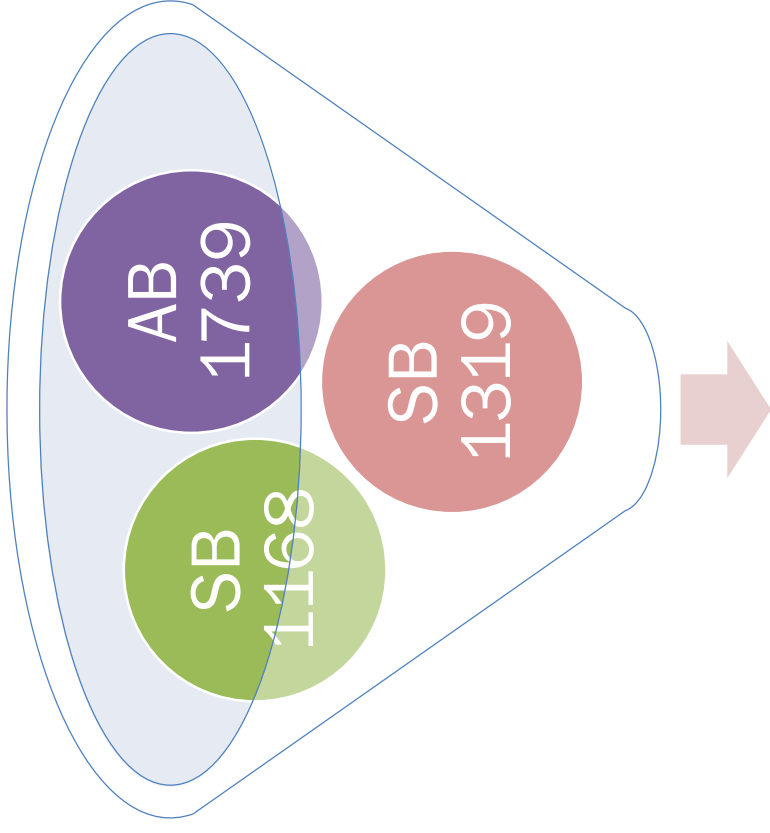


SGMA Overview

SGMA: Sustainable Groundwater Management Act of 2014

SGMA is Law

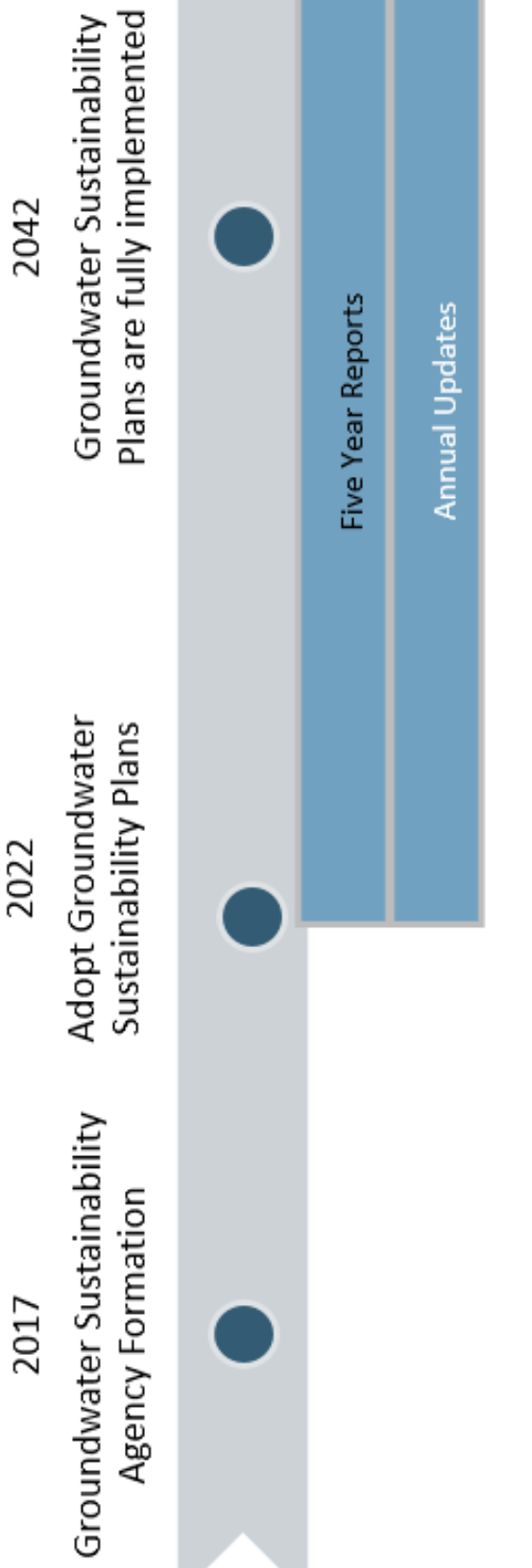
- Collection of Three Bills signed into law in 2014
- Established new structure for managing groundwater resources in California
- SGMA is NOT the Irrigated Lands Regulatory Program (Colusa-Glenn Subwatershed)



Sustainable Groundwater
Management Act of 2014

SGMA Timeline-

Basins not in Critical Overdraft



Note: Critically overdrafted subbasins have a compressed timeline

SGMA: Who is Affected



Agriculture



Municipal



Industrial



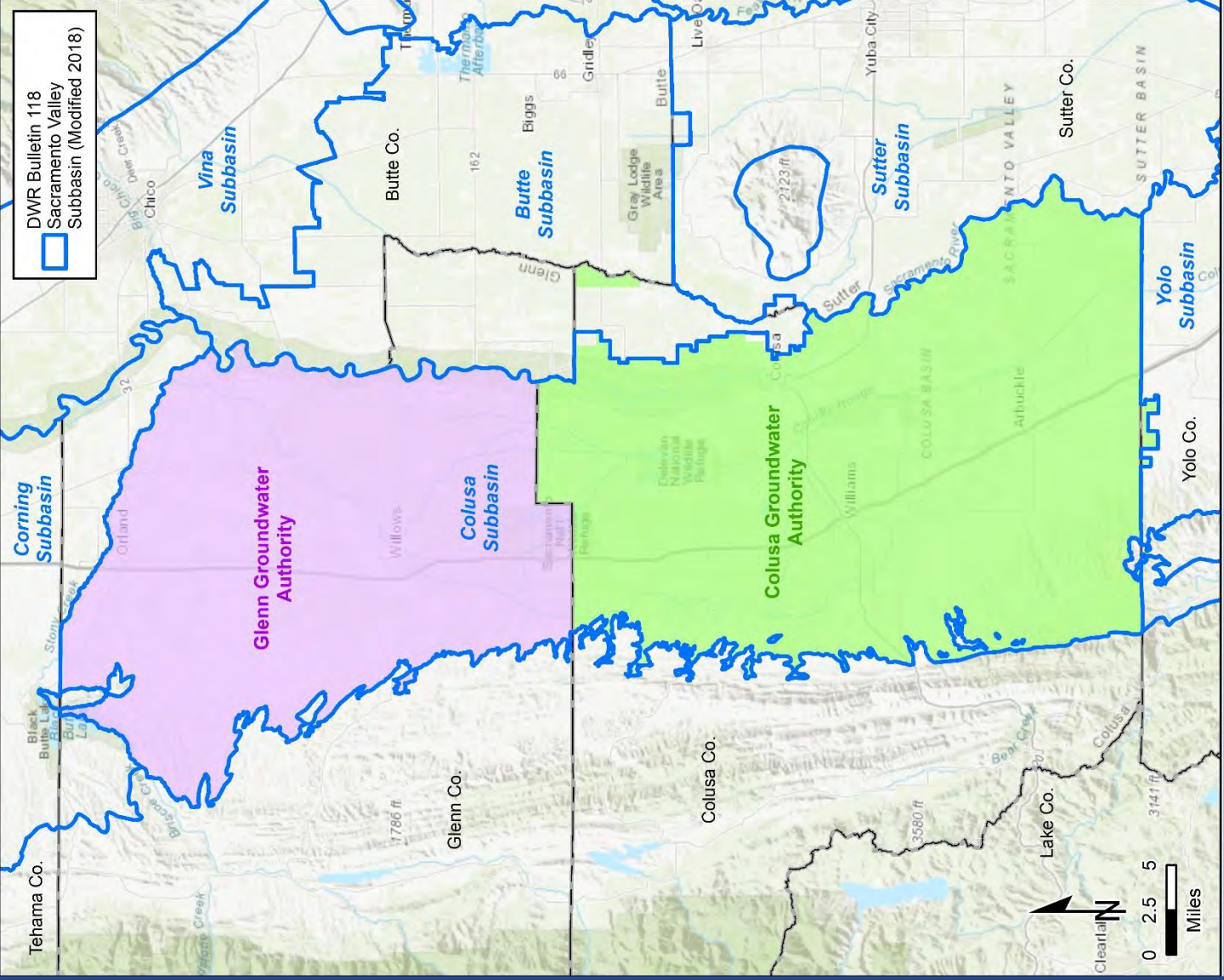
Environmental



Groundwater Basins & Subbasins

- Department of Water Resources defines:
 - Basin/Subbasin Boundaries (Bulletin 118)
 - Basin Priority
 - Designation of Critical Overdraft (or not)

Map of the Colusa Subbasin



Who Can Manage the Basin?

- Groundwater Sustainability Agency

- Local Public Agency
- Land Use
- Water Supply
- Water Management

(Glenn Groundwater Authority)

- State Water Resources Control Board
(State Intervention)

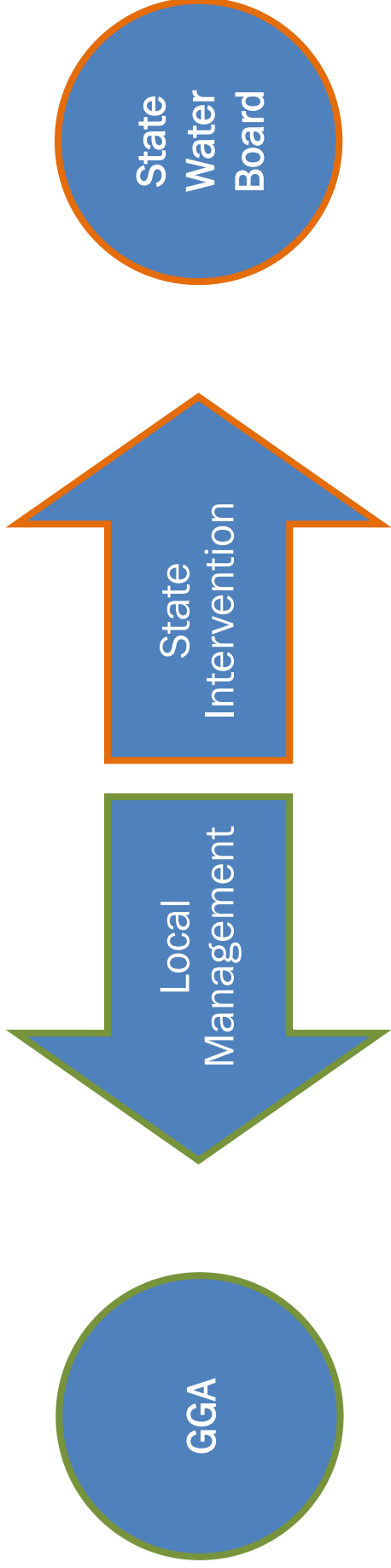


Managing Agency Roles & Responsibilities

- Groundwater Sustainability Plan
 - Development
 - Implementation
 - Reporting
- Consider Interests of Beneficial Uses and Users (Water Code §10723.2)
- Enforcement



Sample Fee Comparison



Scenario:

- 100 acre irrigated parcel
- 1 well
- GGA Local Control

Maximum Local GGA Fees: \$193

- 100 acre X \$1.93= \$193

Scenario:

- 100 acre irrigated parcel
- 1 well
- Probationary basin status

State Water Board Fees: \$14,300

- 1 well = \$300
- 3.5 AF/ac = 350 AF X \$40 = \$14,000

Sustainability

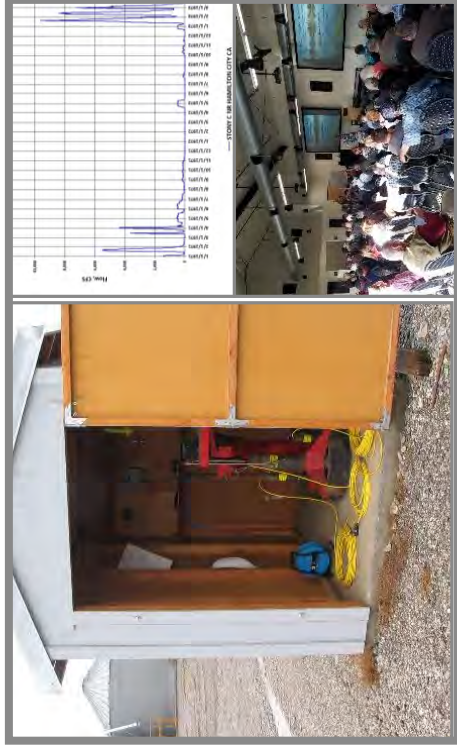
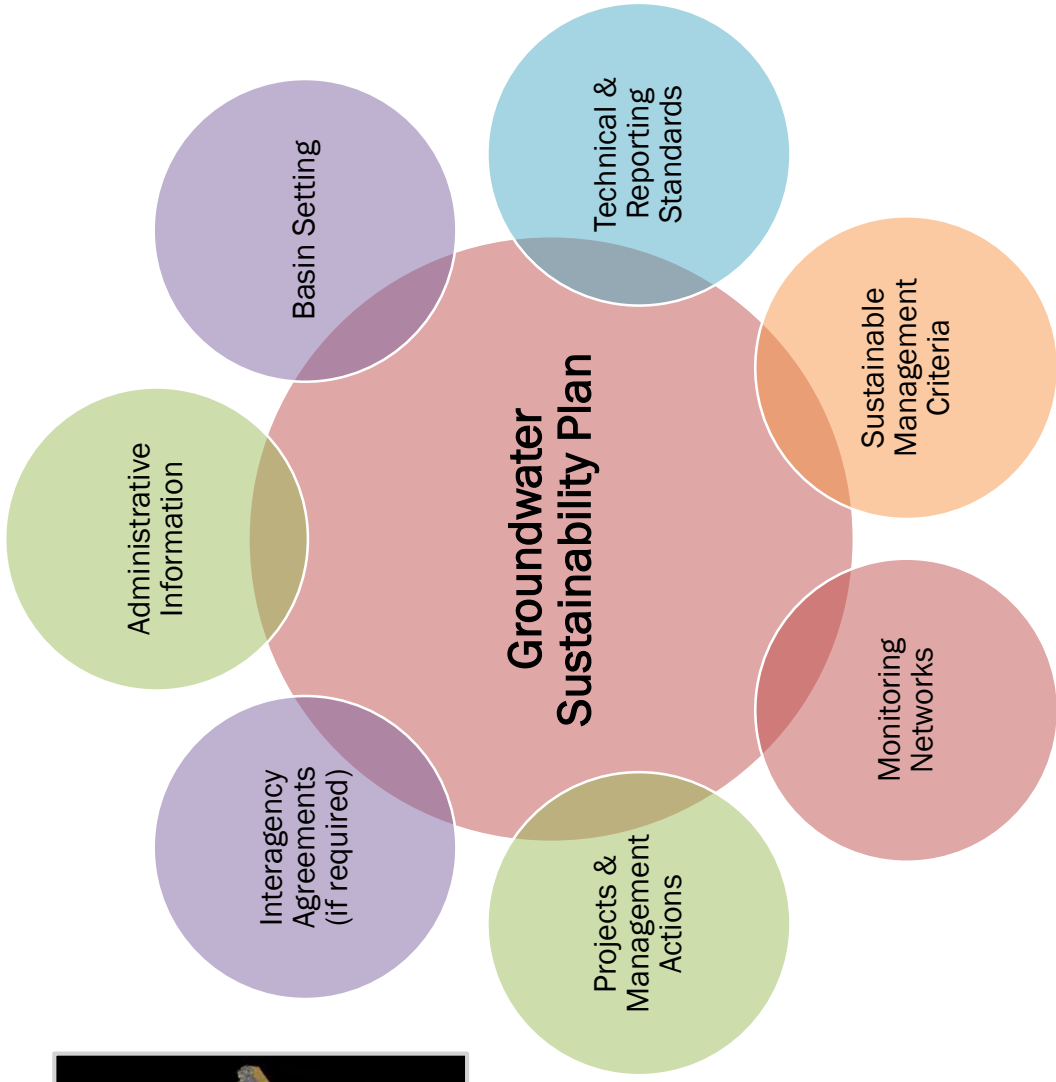
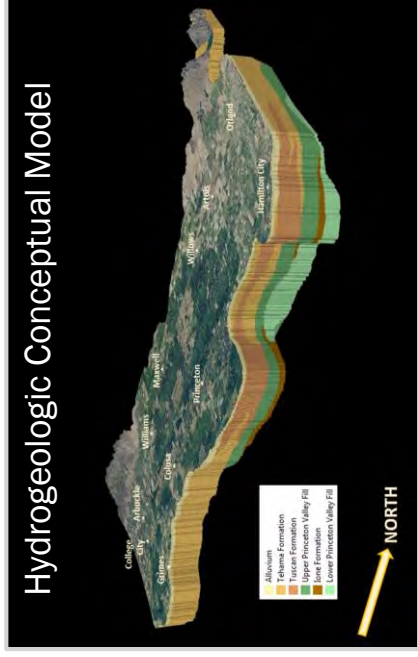
What is Sustainability?

Manage groundwater to prevent significant and unreasonable undesirable results



Groundwater Sustainability Plan

What is in a Plan?





Glenn Groundwater Authority

Your Groundwater Sustainability Agency: Local Management

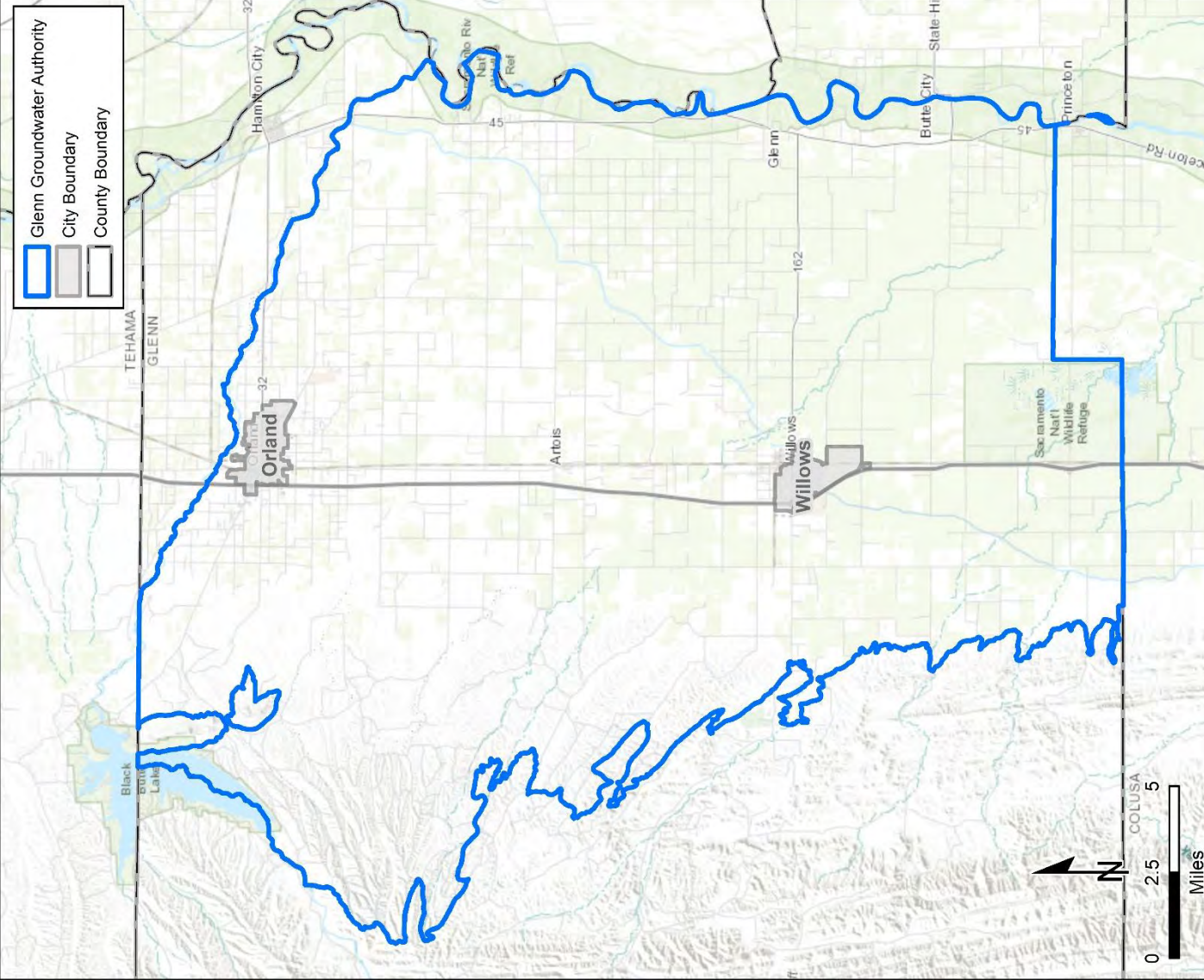
Glenn Groundwater Authority

members:

- City of Orland
- City of Willows
- County of Glenn
- Glenn-Colusa Irrigation District
- Glide Water District
- Kanawha Water District
- Orland-Artois Water District
- Princeton-Codora-Glenn Irrigation District
- Provident Irrigation District

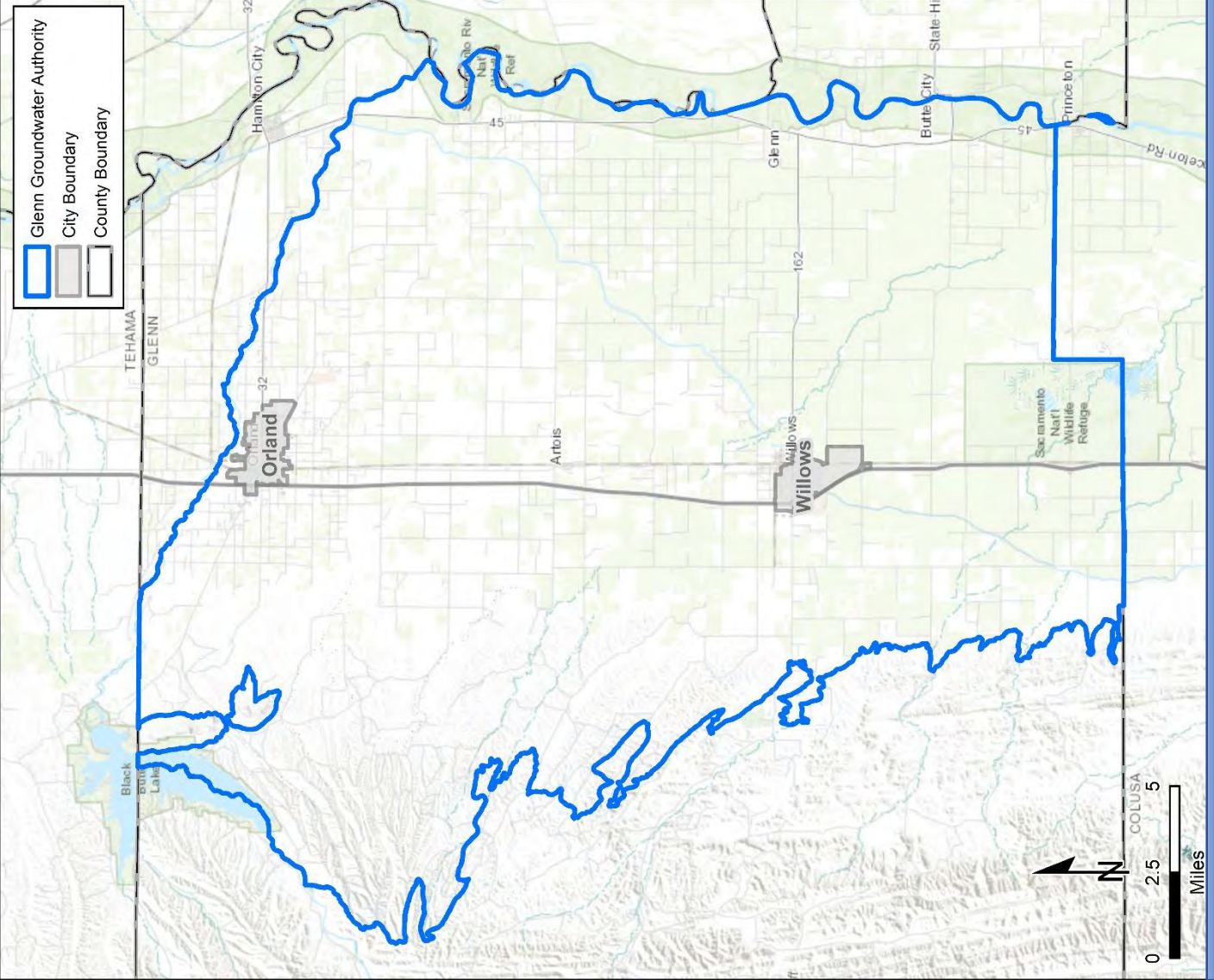
One new member pending:

- Glenn Ground Water District



Activities:

- **Proposition 1 GSP Grant**
- MOU with Colusa Groundwater Authority
- Basin Setting work
 - Hydrogeologic Conceptual Model
 - Water Budget
- **Facilitation Support Services**
 - Stakeholder Communication & Engagement Plan
- **Technical Support Services**
 - Monitoring Well installation
- Request for Proposals for GSP development
- Long-Term Funding Process





Financing SGMA



Financing SGMA

- Activities funded by member agencies for 2 years- beginning in 2017
- Pursued basin-wide funding opportunities with Colusa Groundwater Authority
 - Proposition 1 GSP Development Grant
 - Technical Support Services
 - Facilitation Support Services



Financing SGMA

- **Need long-term funding for day to day operations of the GGA:**
 - Technical: GSP development (\$1.5 million), technical studies, monitoring and data management, coordination and outreach efforts, implementation of the GSP, yearly reporting to DWR, Plan updates every five years
 - O&M: Staff, insurance, legal services, bookkeeping, office needs, etc.



Financing SGMA

Proposition 218 Requirements

- GGA contracted with Provost and Pritchard Engineering (P&P) to conduct a Proposition 218 Majority Protest
- P&P completed a fee study to determine a fee structure based on GGA budget and acreages in the GGA's jurisdiction
- Amount of fee cannot exceed the reasonable cost of the activity to be funded
- Three Public Information Workshops were held March-April 2019
- A similar process was completed for the Colusa Groundwater Authority

Financing SGMA

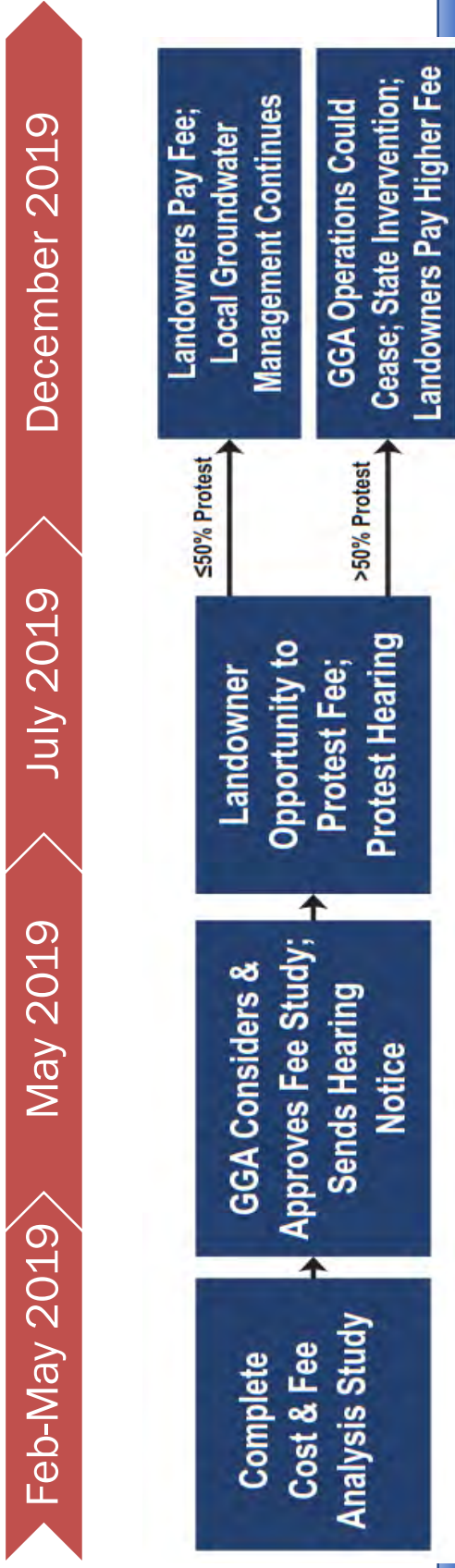
Proposition 218 Requirements

- Fees must be based on the reasonable cost of providing service
 - GGA's annual operating budget
- Fees must proportionally recover costs from ratepayers (i.e. no subsidies)
 - \$/acre fee
- Fees in the Prop 218 notice are the max fees that may be adopted
 - Board may lower fees without conducting another Prop 218 notice and hearing process

Financing SGMA

Proposition 218 Requirements

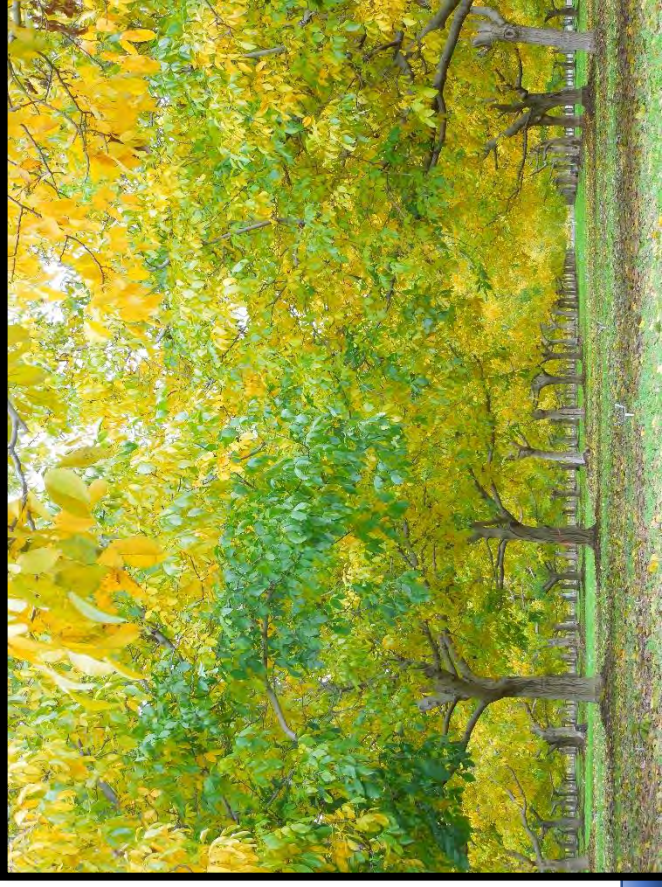
- Hold public informational meeting (NOT required)
- Mail a protest notice to property owners
- Hold a public hearing minimum of 45 days later
- If there is NOT a majority protest, GGA may adopt fees
- If the Proposition 218 effort passes, a fee will appear on December 2019 property tax roll



Financing SGMA

Who is Subject to the Fees?

- All property owners have an overlying right and benefit from a healthy groundwater system
- If the fee is adopted, the City of Orland and the City of Willows agreed to pay the GGA directly on behalf of the landowners for all acreage within the cities' boundaries



Financing SGMA

What Benefits Do I Receive?

- All property owners have an overlying right whether exercised or not
- All property owners benefit from a healthy groundwater system
- Local Representation (GGA Represents You)
 - Seeks funding opportunities for GSP development and studies
 - Venue for local input & stakeholder engagement
 - Local Control & Planning
 - Coordinate with other local plans & build on previous efforts
- Avoid State Intervention (Control & Fees)



Financing SGMA

GGA Fee Calculation

Category	Calculation
Budget	\$550,900
Acres	285,190.63
Max Fee (\$/acre)	\$1.93

State Intervention

State Board intervention actions can include:

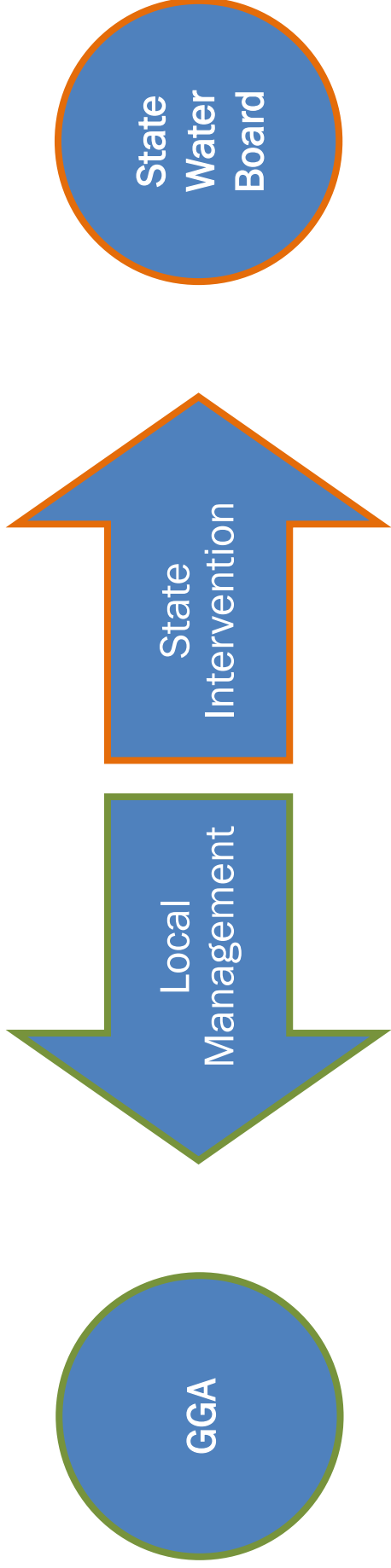
- Well Head fees
- Volumetric fees (fee per acre-foot of water pumped)
- Late fees (subject to backdating to 2017)
- Mandatory extraction reporting including monthly pumping data
- May require installation of meters on wells at owner's expense
- Technical reporting and special studies at landowners' expense
- Any corrective actions will likely result in pumping restrictions

State Intervention

SWRCB Fees, 2018

BASE FEE (per well)	\$300
Volumetric Fee (per AF)	
Unmanaged, metered	\$10/AF
Unmanaged, unmetered	\$25/AF
An unmanaged area is a part of a basin <u>not</u> within the management area of a GSA before July 1, 2017	
Probation	\$40/AF
If locals fail to form a GSA, fail to develop an adequate sustainability plan, or fail to implement the plan successfully, the Board may designate the entire basin probationary. The Board may require the use of a meter to measure extractions and reporting of additional information.	
Interim Plan	\$55/AF
If local agencies are unable to fix the deficiencies, the Board will develop an interim plan to directly manage groundwater extractions.	
De minimis (less than 2 AF/year)	\$100/well
Late Fee	25% per month

Sample Fee Comparison



Scenario:

- 100 acre irrigated parcel
- 1 well
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Maximum Local GGA Fees: \$193

- 100 acre X \$1.93 = \$193

Scenario:

- 100 acre irrigated parcel
- 1 well
- Probationary basin status

State Water Board Fees: \$14,300

- 1 well = \$300
- 3.5 AF/ac = 350 AF X \$40 = \$14,000

Thank You

Please contact staff to be added to the interested parties list:

Lisa Hunter
Program Manager, Glenn Groundwater Authority
530-934-6501
Lhunter@countyofglenn.net

GGA Website:

<https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>

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2D-4. SGMA General Information, Basin Setting and Sustainable Management Criteria Workshops

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Colusa Groundwater Authority

Groundwater Sustainability Agency

100 Sunrise Blvd., Suite A | Colusa, CA 95932 | 530.458.7709

CGA Town Hall Public Meeting

Arbuckle/Williams/College City

Co-hosted by the Colusa Groundwater Authority and Colusa County Groundwater Commission

March 6, 2019

6:00 p.m.

Arbuckle I.O.O.F. Building, 5th and King Streets, Downtown Arbuckle

AGENDA

1. Overview: SGMA, the Colusa Groundwater Authority (CGA), Financing SGMA;
 - *Mary Fahey, CGA Program Manager*
2. CGA Board Member Statements
 - *Denise Carter, CGA Board Chair*
 - *Darrin Williams, CGA Board Member, Private Pumper representative*
 - *Jim Wallace, CGA Board Member, Colusa Drain Mutual Water Company*
3. Audience Q & A
 - Time for audience questions and dialogue with CGA Board Members and Staff

**Colusa Groundwater Authority
Colusa County Groundwater Commission**

Town Hall Public Information Meeting

Arbuckle/Williams/College City

**March 6, 2019
Arbuckle I.O.O.F. Hall
6:00 p.m.**

Program

- 1. Overview:**

Sustainable Groundwater Management Act (SGMA),
Colusa Groundwater Authority, Financing SGMA

- 2. Board Member Comments**

- 3. Q&A**

SGMA: Sustainable Groundwater Management Act of 2014

SGMA: Sustainable Groundwater Management Act of 2014

- * Historic Law, signed by Gov. Brown Dec., 2014
- * First time Groundwater is regulated in California

CFBF: “SGMA is the most significant change to water law in a century and will significantly impact farmers and ranchers throughout California.”

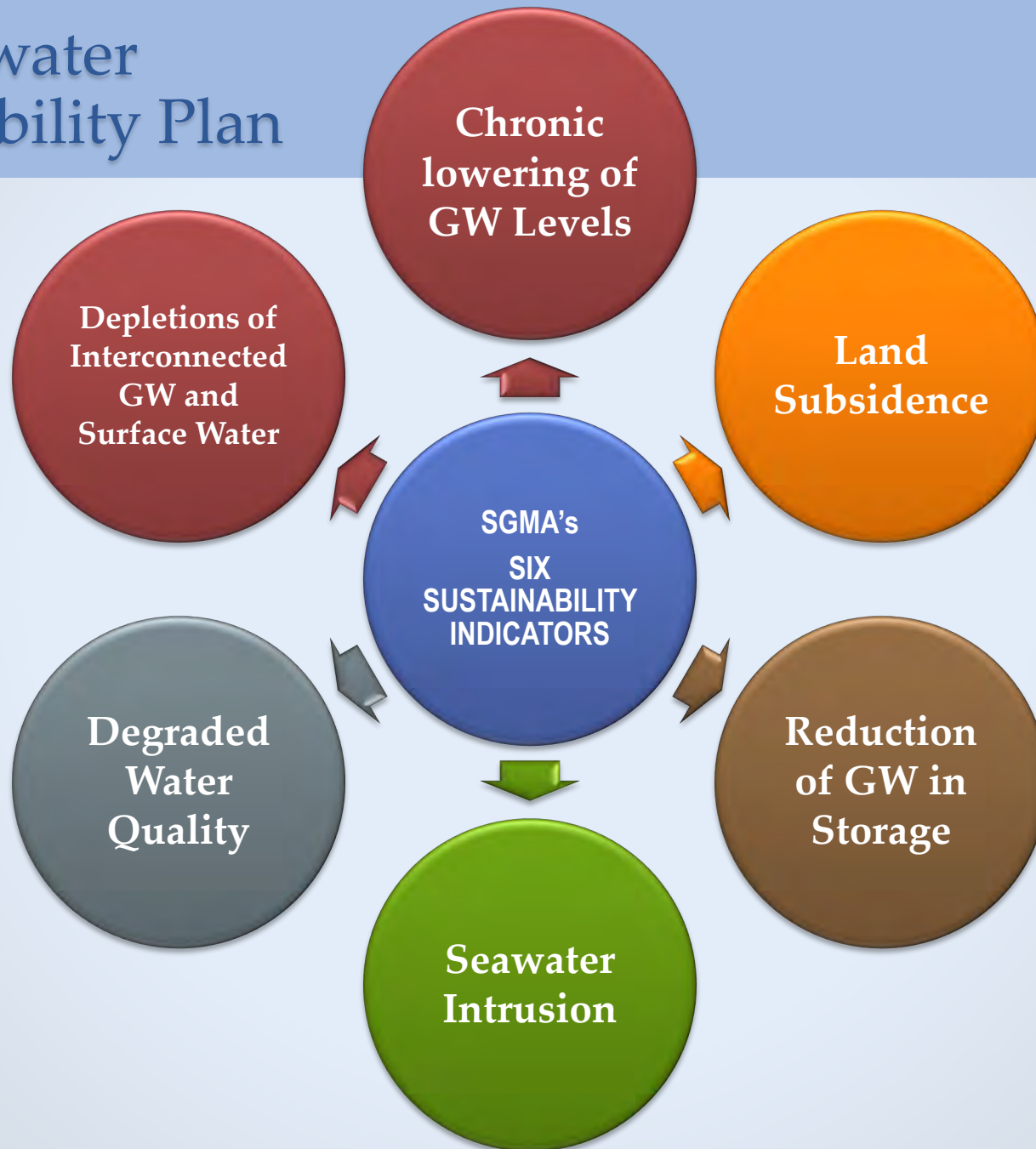
SGMA is a completely different program than the Irrigated Lands Regulatory Program.

SGMA: Sustainable Groundwater Management Act of 2014

SGMA Milestones



Groundwater Sustainability Plan



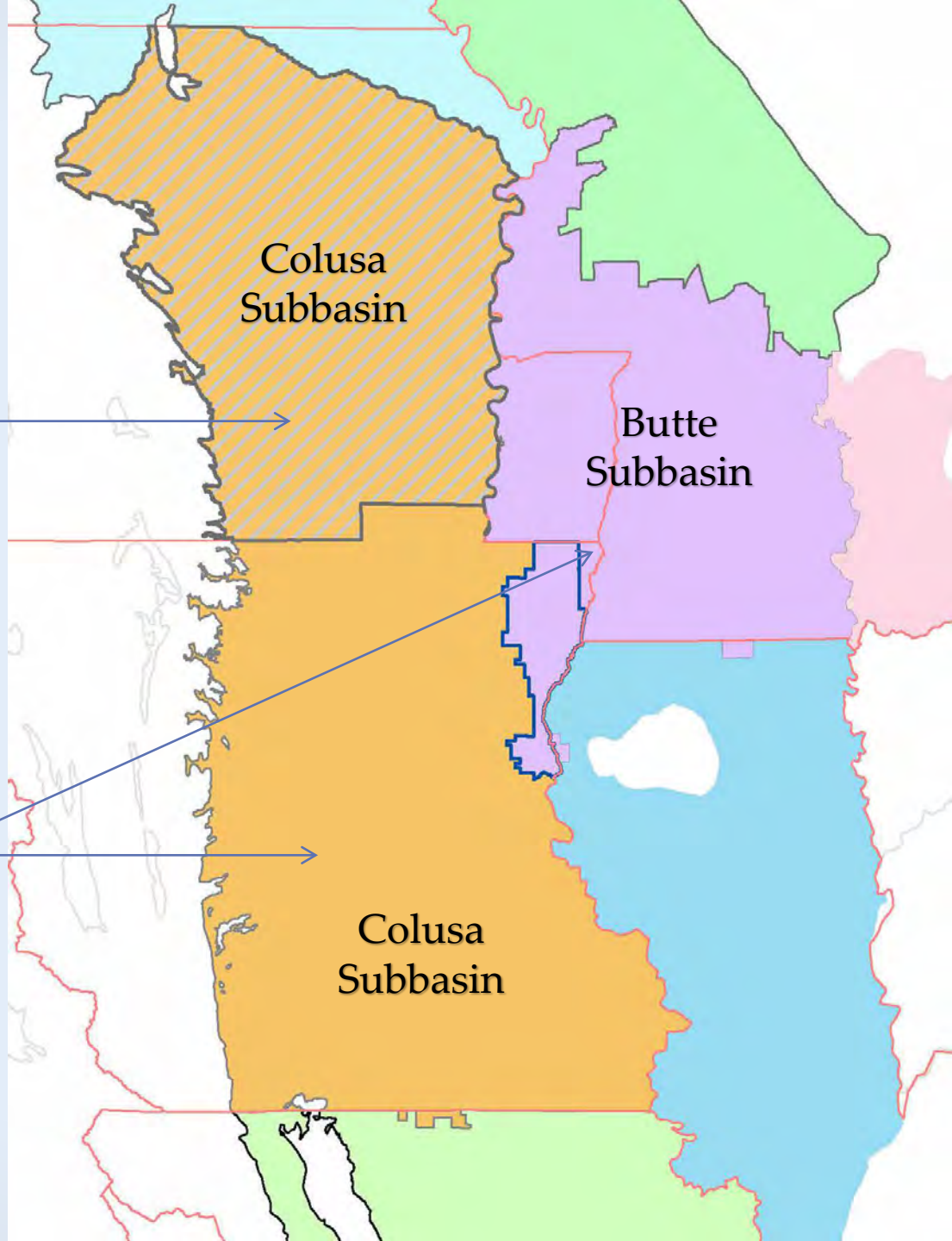
Colusa Groundwater Authority, GSA

CGA formed June 29, 2017 as mandated by SGMA, after 2 years of meetings

CGA is a 12-member Joint Powers Authority Board

Efficiencies gained by forming one multi-agency GSA

- * Public Meetings were held over the period of January, 2016 – June, 2017 to determine the best governance structure for the Colusa County portions of the groundwater basins
- * JPA structure provides many efficiencies:
 - * Allows the agencies to pool resources and work together closely, keeping expenses to a minimum
 - * SGMA requires coordinated basin-wide planning and implementation – multiple GSAs/GSPs creates added expense and duplication of efforts
 - * It is much easier for the public to have one agency and one set of meetings to go to for information



Colusa
Subbasin

Butte
Subbasin

Colusa
Subbasin

Glenn Groundwater Authority (GGA)
Groundwater Sustainability Agency

Colusa Groundwater Authority (CGA)
Groundwater Sustainability Agency

Colusa Groundwater Authority

Board of Directors

County of Colusa

Denise Carter (Chair) / Alternate: Gary Evans

City of Colusa

Tom Reische / Alternate: Dave Markss

City of Williams

Alfred Sellers, Jr. / Alternate: Sajit Singh

Colusa County Water District

Knute Myers / Alternate: Shelly Murphy

Glenn-Colusa Irrigation District

Blake Vann / Alternate: Thad Bettner

Maxwell I.D. and Westside W.D.

Zachary Dennis / Alternate: Dan Ruiz

Princeton-Codora-Glenn I.D. and Provident I.D.
David Alves / Alternate: Lance Boyd

RD 108

Hilary Reinhard, PE (Vice Chair)
Alternate: Bill Vanderwaal

RD 479

Charles Marsh / Alternate: Derick Strain

Colusa Drain Mutual Water Company

Jim Wallace / Alternate: Lynell Pollock

**2 Private Pumper Representatives from the
Colusa County Groundwater Commission:**

Darrin Williams
Jeff Moresco





Financing SGMA – Why?

- SGMA is the law – “unfunded mandate”
- GSAs are new, local government, Regulating Agencies
- GSAs must be funded to operate

If the CGA is unable to comply with SGMA due to a lack of sufficient funding , the State will intervene

- The agencies on the Board of the CGA funded the agency for the first two years (July 2017-June 2019)
- By June, 2019, CGA Member Agencies will have contributed a total of **\$616,181, plus staff time, and other resources**
- Leveraging Grant Funding and other programs to keep costs down:
 - \$1 million in Proposition 1 grant funding for GSP development in the Colusa Subbasin (shared with Glenn GW Authority)
 - DWR Facilitation Support Services, Technical Support Services

Financing SGMA – How?

- A Proposition 218 Majority Protest
- Similar process starting in the Glenn County portion of the Colusa Subbasin
- A fee study is being developed by a consultant team at Provost and Pritchard
- Per Acre Fee

Financing SGMA – Who?

Who is Subject to Fees?

- **All property owners in the CGA's jurisdiction:**
 - All property owners have an overlying right to groundwater and benefit from compliance with SGMA
- **Community Water Systems:**
 - The **Cities of Colusa and Williams** have a seat on the CGA Board and will continue to pay a fee to the CGA as before to cover the landowners in their jurisdiction. *Homeowners within the cities' boundaries will not participate in the Proposition 218 process*
 - Homeowners in the communities of Arbuckle, Grimes, Maxwell and Princeton will be covered through their water suppliers, similar to the cities, *and will not participate in the Proposition 218 process.*
 - This approach will keep costs down – it is not economically feasible to assess these small parcels

Financing SGMA - CGA Budget Forecast

EXPENSES	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
Administration	87,458	100,000	150,000	150,000	150,000	150,000	150,000
Legal Services	22,588	100,000	150,000	150,000	150,000	150,000	150,000
Office/Outreach Materials	516	1,000	8,500	8,500	8,500	8,500	8,500
Annual/Biennial Audits	-	9,500	9,750	10,000	-	20,000	-
Bookeeping	-	10,000	14,000	8,000	2,000	2,000	2,000
JPA Insurance	1,577	1,800	1,800	1,800	1,800	1,800	1,800
Consultant Prop 1 Grant GSP Proposal	6,343	-	-	-	-	-	-
GSP Development	-	-	102,175	87,175	79,350	-	-
Prop 218 Engineering Study	-	65,000	-	-	-	-	-
County Tax Collector GSP Implementation, Monitoring/Reporting	-	-	10,000	10,000	10,000	10,000	10,000
Contingency	-	-	50,000	50,000	50,000	50,000	50,000
Total Expenses	118,480	287,300	496,225	455,475	501,650	442,300	422,300

Financing SGMA – Projected Costs

Initial Fee Estimate: \$1.21/Acre

With yearly inflation factor (Consumer Price Index currently 3%):

2020/21 - \$1.25

2021/22 - \$1.28

2022/23 - \$1.32

2023/24 - \$1.36

← Estimated at 3%
- could vary

Cannot go above 2023/24 rate without another Prop. 218 effort

- Rate is pending outcome of final fee study
- SGMA is a new program, many unknowns
 - Budget is the most reasonable estimate at this time
 - The fee cannot exceed the reasonable costs of the CGA activities
- Fee is for day to day operations of the CGA
- Additional project-specific fees may also apply in the future

Financing SGMA - Statewide

GSA 1 – in Fresno County
\$19.00/acre
entirely dependent on groundwater

GSA 2 – in Kings County
\$5.00/acre initially
\$3.00/acre in second year

GSA 3 – Salinas Valley
\$2.27/non-ag acre to
\$4.81 irrigated ag acre

State Intervention – Alternative to Prop. 218 Fee

State Board Intervention actions may include:

- * Well Head fees
- * Volumetric fees (fee per acre-foot of water pumped)
- * Late fees (subject to backdating to 2017)
- * Mandatory extraction reporting including monthly pumping data
- * May require installation of meters on wells at owner's expense
- * Technical reporting and special studies at landowners' expense
- * Any corrective actions will likely result in pumping restrictions

Any fees collected by the State will not benefit local groundwater management, or local projects. Fees will go to SWRCB staffing.

State intervention will come at a **much greater cost** than SGMA implementation by the CGA.

State intervention will impose restrictions without any local benefits.

State Intervention – Alternative to Prop. 218 Fee

SWRCB Fees, 2018

BASE FEE (per well)	\$300
Volumetric Fee (per AF)	
Unmanaged, metered	\$10/AF
Unmanaged, unmetered	\$25/AF
An unmanaged area is a part of a basin <u>not</u> within the management area of a GSA before July 1, 2017	
Probation	\$40/AF
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Interim Plan	\$55/AF
If local agencies are unable to fix the deficiencies, the Board will develop an interim plan to directly manage groundwater extractions.	
De minimis (less than 2 AF/year)	\$100/well
Late Fee	25% per month

https://www.waterboards.ca.gov/water_issues/programs/gmp/sgma.html

State Intervention – Alternative to Prop. 218 Fee

Sample Fee Comparison

100 acre irrigated parcel with one well, probationary basin

Estimated Max. CGA Fee: \$136

100 Acres X \$1.36 = \$136

Local Control,
Local Management
Local Benefit

SWRCB Fees: \$12,300

1 well = \$300

3 AF/ac = 300 AF X \$40 = \$12,000

Fees will not benefit local
groundwater
management, or local
projects.

Corrective actions will
equal reduced pumping.

Financing SGMA – Next Steps

1. Continued Public Outreach Meetings
2. Fee Study Completed (within next two weeks)
3. Protest Notice and instructions mailed to property owners
April 19 (tentative)- election is a written protest.
4. Public Hearing minimum of 45 days after mailing –
anticipated **June 5, 2019 (tentative)** also deadline to submit a
written protest
5. Absent majority protest, CGA may adopt fees
6. If passed, fee will appear on December 2019 property tax roll,
and yearly there after

Stay Informed

Visit the website:
colusagroundwater.org

Get on the CGA Email List

Upcoming Town Hall Meetings

COLUSA/PRINCETON/GRIMES

March 14, 2019 at 6:00 p.m.

Colusa Veteran's Hall

108 East Main Street, Colusa, CA 95932

MAXWELL/WILLIAMS

March 20, 2019 at 6:00 p.m.

Sites Project Authority Office

122 Old Highway 99 W., Maxwell, CA 95955

**The Colusa
Groundwater
Authority (CGA)**

And

**The Colusa County
Groundwater
Commission**

Present:

The Sustainable Groundwater Management Act Town Hall Public Information Meetings

This is an opportunity to learn about the Sustainable Groundwater Management Act (SGMA) and local groundwater management efforts, and have a dialogue with CGA Board Members and Colusa County Groundwater Commissioners. We hope you can join us at one of these meetings:

ARBUCKLE/WILLIAMS/COLLEGE CITY

March 6, 2019 at 6:00 p.m.

Arbuckle I.O.O.F. Building
5th and King Streets, Downtown Arbuckle

COLUSA/PRINCETON/GRIMES

March 14, 2019 at 6:00 p.m.

Colusa Veteran's Hall
108 East Main Street, Colusa, CA 95932

MAXWELL/WILLIAMS

March 20, 2019 at 6:00 p.m.

Sites Project Authority Office
122 Old Highway 99 W., Maxwell, CA 95955

For more information, contact

Mary Fahey | 530.458.0719

[Colusa Groundwater Authority Website](#)

Colusa Groundwater Authority Information Meeting and Workshop

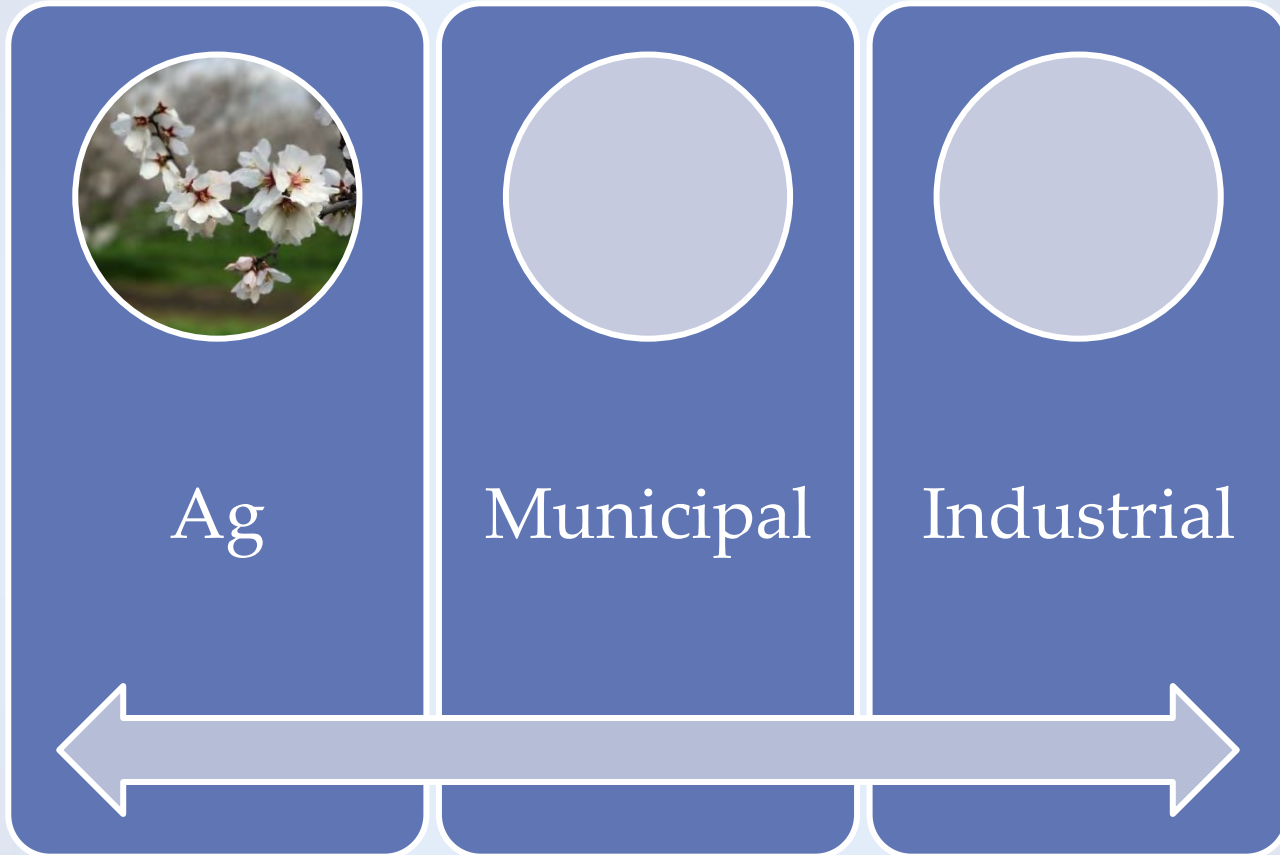
Sustainable Groundwater Management Act (SGMA) Implementation and Funding

• **January 31, 2019** •

Program

- * 1. Sustainable Groundwater Management Act (SGMA) Overview
- * 2. Colusa Groundwater Authority
- * 3. Financing SGMA Implementation
 - * CGA Activities and the Need for Funding
 - * Proposition 218 Majority Protest
- * 4. State Intervention
- * 5. CGA Panel Questions and Answers

SGMA: Who is Affected



Diminimus (less than 2 A/F pumped per year) are not the focus.

SGMA Foundations

- * Sustainable Groundwater Management Act of 2014
- * Groundwater Sustainability Agency(ies) (GSA) by June 30, 2017
- * Groundwater Sustainability Plan(s) (GSP) by January 31, 2022
- * Yearly reporting and GSP Update every 5 years, demonstrating progress towards sustainability
- * 20 years to achieve Sustainability – 2042
- * **SGMA is a completely different program than the Irrigated Lands Regulatory Program!**

SGMA Foundations

Six “Undesirable Results”

1. Chronic lowering of groundwater levels
2. Reduction of groundwater storage
3. Degraded water quality
4. Land subsidence
5. Depletions of interconnected groundwater and surface water
6. Seawater intrusion (*not applicable in the Colusa Subbasin*)

GSA Roles and Responsibilities

- **Governance** – Colusa Groundwater Authority
- **Outreach/Engagement (Transparency)** with all beneficial users
- **Compliance** with local ordinances, state and federal laws and regulations, and similar
- **Funding** which may include one or more of the following: regulatory fees, property-related fees or assessments, local taxes, local general obligation bonds, contributions from member agencies, grants from other state or federal agencies

GSA Roles and Responsibilities

- **Authorities**

General:

- Do anything ‘necessary and proper’ to carry out SGMA’s purposes
- Adopt rules, regulations, ordinances and resolutions
- Use any other authority allowed to the GSA to apply and enforce SGMA requirements

Information Gathering

Groundwater Extraction Oversight

Property Acquisition and Management

Enforcement:

- Sue to collect delinquent fees, interest, or penalties or order extraction stopped until delinquent fees are paid
- Pursue civil penalties for extraction exceedances
- Pursue civil penalties for violations of SGMA-related rules, regulations, ordinances, or resolutions*

GSA Roles and Responsibilities

- **Coordination** with adjacent subbasins and Counties (if applicable), and between Management Areas (if applicable)
- **Technical** – access technical expertise; conduct/oversee monitoring, data collection and reporting; develop water budget and identify sustainable yield; assess basin history and potential paths to sustainable management; remediate oversee remediation of polluted groundwater.

Colusa Groundwater Authority

- * CGA Formation; 2 years, common principles
- * CGA formed June 29, 2017 as mandated by SGMA
- * CGA is the Groundwater Sustainability Agency (GSA) covering the Colusa County portions of the Subbasins within the county, outside of RD 1004
- * CGA is a 12-member Joint Powers Authority Board
- * Board includes two Private Pumper representatives

Colusa Groundwater Authority

Board of Directors

County of Colusa

Denise Carter (Chair) / Alternate: Gary Evans

City of Colusa

Tom Reische / Alternate: Dave Markss

City of Williams

Alfred Sellers, Jr. / Alternate: TBD

Colusa County Water District

Knute Myers / Alternate: Shelly Murphy

Glenn-Colusa Irrigation District

Blake Vann / Alternate: Thad Bettner

Maxwell I.D. and Westside I.D.

Zachary Dennis / Alternate: Dan Ruiz

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RD 108

Hilary Reinhard (Vice Chair)
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RD 479

Charles Marsh / Alternate: Derick Strain

Colusa Drain Mutual Water Company

Jim Wallace / Alternate: Lynell Pollock

2 Private Pumper Representatives from the Colusa County Groundwater Commission:

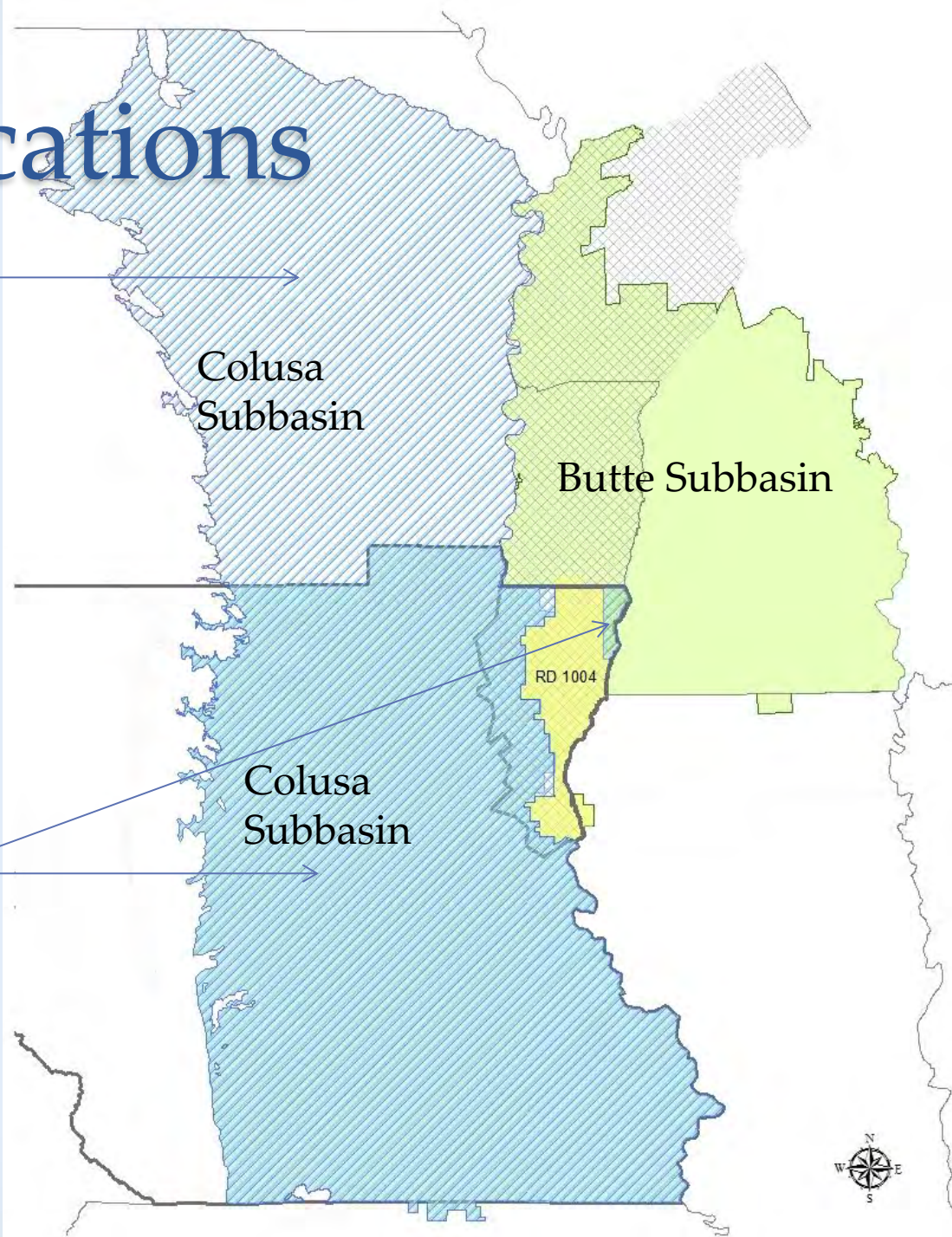
Darrin Williams and Jeff Moresco

Subbasin Locations

Glenn Groundwater Authority (GGA)
GSA

Mallory fix
map

Colusa Groundwater Authority (CGA)
GSA



CGA Activities

- * Groundwater Sustainability Plan (GSP) for the Colusa Subbasin (CGA & GGA)
 - * Awarded \$1 million Proposition 1 grant funding for GSP development
 - * Consultant team to developing Basin Setting for GSP
- * Installing a new monitoring well in the Arbuckle area (DWR funded)
- * Coordinating with Glenn Groundwater Authority (GGA) on GSP development and other activities in the Colusa Subbasin
- * Coordinating with GSAs in other surrounding basins/counties
- * Organizing ongoing public meetings and public outreach activities
- * Developing Long-term Funding strategy for the CGA to maintain local control of Groundwater Management under SGMA

Financing SGMA

- * CGA members working together, pooling resources to keep costs to a minimum
- * Leveraging grant funding, Facilitation Support and Technical Support services

Need for Long-term funding for day to day operations of the CGA:

- * **Technical:** GSP development (\$1.5 million), technical studies, monitoring and data management, coordination and outreach efforts, implementation of the GSP, yearly reporting to DWR, Plan updates every five years
- * **O&M:** Staff, insurance, legal services, bookkeeping, office needs, etc.
- * CGA Member Agencies agreed to fund the JPA for the first two years (July, 2017 – June, 2019) (**dollar amount**)
- * Fees are needed to comply with SGMA and fund the GSP and basin monitoring activities

Financing SGMA

Proposition 218 Option

- * Approved by voters in 1996, Prop 218 imposes certain requirements relative to the imposition of certain assessments, fees and charges by local agencies.
- * Procedures act to fully inform the Agency's landowners while simultaneously giving them a direct say in the matter.
- * Two processes for approval of revenue generation under Proposition 218
 - * Land-based assessments (per acre charge)
 - * Fees or charges on a unit basis.

Financing SGMA

Proposition 218 Majority Protest Requirements

- * Fees must be based on the reasonable cost of providing service
 - * CGA's annual operating budget
- * Fees must proportionally recover costs from ratepayers (i.e. no subsidies)
 - * \$/acre fee
- * Fees in the Prop 218 notice are the max fees that may be adopted
 - * Board may lower fees without conducting another Prop 218 notice and hearing process

Financing SGMA

Proposition 218 Majority Protest: Next Steps

- * CGA contracted with Provost and Pritchard Engineering to initiate a Proposition 218 Majority Protest
- * Consultants will complete a rate study to determine a fee structure based on CGA budget and acreages in the CGA's jurisdiction
- * Amount of fee cannot exceed the reasonable cost of the activity to be funded
- * Public information meetings being planned, January – March
- * A similar process is beginning in the GGA portion of the Colusa Subbasin

Financing SGMA

Prop 218 procedural requirements

- * Mail a protest notice to property owners
- * Hold a public hearing minimum of 45 days later – anticipated in March, 2019
- * Absent majority protest, CGA may adopt fees
- * If the Proposition 218 effort passes, a fee will appear on December 2019 property tax roll

Financing SGMA

Who is Affected?

- * All property owners have an overlying right and benefit from a healthy groundwater system
- * Small Community Water Systems: homeowners in the Cities of Colusa and Williams and the small communities of Arbuckle, Grimes, Maxwell and Princeton may be charged through their water suppliers.
- * This will save money processing multiple property tax bills on these small parcels

Financing SGMA

Initial Estimate: Proposition 218 Majority Protest Fee Calculation

	Estimates
Budget	\$540,000
Acres	402, 541
Fee (\$/acre)	\$1.34

- Pending outcome of fee study
- Pending CGA Board approval and budget review
- SGMA is a new program, many unknowns
 - Budget is the best estimate at this time
 - The fee cannot exceed the reasonable costs of the CGA activities

Financing SGMA

What if the Prop 218 Effort Fails?

- * If the CGA cannot be funded, it will dissolve.
- * If a basin is not covered entirely by a GSA(s) and/or approved GSP, the State Water Resources Control Board assumes SGMA responsibilities.
- * Lose local control of the groundwater resource.

Financing SGMA

What if the Prop 218 Effort Fails?

- * State Board intervention actions can include:
 - * Well Head fees
 - * Volumetric fees (fee per acre-foot of water pumped)
 - * Late fees (back dated to 2017)
 - * Mandatory extraction reporting including monthly pumping data
 - * May require installation of meters on wells at owner's expense
 - * Technical reporting and special studies at landowners' expense
 - * Any corrective actions will likely result in pumping restrictions

State Intervention

SWRCB Fees, 2018

BASE FEE (per well)	\$300	
Volumetric Fee (per AF)		
Unmanaged, metered	\$10/AF	
Unmanaged, unmetered	\$25/AF	
An unmanaged area is a part of a basin <u>not</u> within the management area of a GSA before July 1, 2017		
Probation	\$40/AF	
If locals fail to form a GSA, fail to develop an adequate sustainability plan, or fail to implement the plan successfully, the Board may designate the entire basin probationary. The Board may require the use of a meter to measure extractions and reporting of additional information.		
Interim Plan	\$55/AF	
If local agencies are unable to fix the deficiencies, the Board will develop an interim plan to directly manage groundwater extractions.		
Deminimus (less than 2 AF/year)	\$100/well	
Late Fee	25% per month	

State Intervention

Sample Fee Comparison

100 acre irrigated parcel with one well, probationary basin

* SWRCB Fees:

* 1 well = \$300

* 3.5 AF/ac = 350 AF X \$40 = \$14,000

* **TOTAL: \$14,300**

* Estimated CGA Fee:

* 100 Acres X \$1.34 = \$134

* **TOTAL: \$134**

CGA will not know the proposed fee until the Rate Study is completed.

CGA Panel Questions & Answers

Panel Members:

- Denise Carter, CGA Board Chair
- Hilary Reinhard, RD 108
- Darrin Williams, Private Pumper
- City Rep

Thank You

Landowner input is essential to GSP development and SGMA planning and implementation.

Please visit the website or contact Staff to get on the contact list:

Mary Fahey

Program Manager, Colusa Groundwater Authority

530-458-0719

mfahey@countyofcolusa.com

CGA Website:

www.colusagroundwater.org

**Sustainable Groundwater Management Act
Public Workshop**

Question / Comment Card

Please write your question / comment on this card and turn it in when requested.

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Public Workshop**

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Group Worksheet

Colusa Subbasin Groundwater Workshop Small Group Discussions

There are 5 “Sustainability Indicators” that the Groundwater Sustainability Agency potentially must address to comply with the Sustainable Groundwater Management Act. These are:

1. Lowering Groundwater Levels
2. Reduction of Groundwater Storage
3. Subsidence
4. Water Quality
5. Surface Water Depletion

For each of these Sustainability Indicators, Please answer the following questions:

Are any of following, groundwater problems in the Colusa Subbasin right now? If so, where and why?
<u>1 - Lowering Groundwater Levels</u>
<u>2 - Reduction of Groundwater Storage</u>
<u>3- Subsidence</u>
<u>4 - Water Quality</u>
<u>5 - Surface Water Depletion</u>

Do you think any of these could be groundwater problems in the future? If so, where and why?

1 - Lowering Groundwater Levels

2 - Reduction of Groundwater Storage

3- Subsidence

4 - Water Quality

5 - Surface Water Depletion

If you identified current and/or potential problems, can you describe if and how these will affect you?

1 - Lowering Groundwater Levels

2 - Reduction of Groundwater Storage

3- Subsidence

4 - Water Quality

5 - Surface Water Depletion



COLUSA GROUNDWATER AUTHORITY AND GLENN GROUNDWATER AUTHORITY

Colusa Subbasin Groundwater Workshop

September 19 & 23, 2019

Program



- Welcome and Introductions
- Sustainable Groundwater Management Act (SGMA) Overview
- SGMA Basin Setting - Colusa Subbasin
 - Basin Setting Presentation
 - Small Group Discussion – Subbasin Challenges
 - Water Budget Update
 - Modelling Update
- Groundwater Sustainability Planning - Next Steps
- GSA Question and Answer Session (Comment Cards Available)
- Adjourn

Sustainable Groundwater Management Act (SGMA) Overview

Dave Ceppos – Facilitator, Sacramento State University

SGMA: Who is Affected



Agricultural



Municipal



Industrial



Environmental



Sustainable Groundwater Management Act **SGMA**

- Sustainable Groundwater Management Act of 2014
- **Groundwater Sustainability Agency(ies) (GSA)** by **June 30, 2017**
- **Groundwater Sustainability Plan(s) (GSP)** by **January 31, 2022**
- Annual reporting and GSP Update every 5 years, demonstrating progress towards sustainability
- 20 years to achieve Sustainability – 2042
- **SGMA is a completely different program than the Irrigated Lands Regulatory Program (Colusa Glenn Subwatershed Program)**

Groundwater Sustainability Agency Eligibility Requirements

- Local Public Agencies Responsible for:
 - Water Management
 - Water Supply
 - Land Use Authority
 - *For Example: Cities, Counties, Irrigation Districts*
- One or more GSAs must be formed per Basin / Subbasin
- Formed by a single eligible agency or by legal agreement between two or more
- Counties represent / manage all groundwater conditions outside another managed area (Water Code §10724)

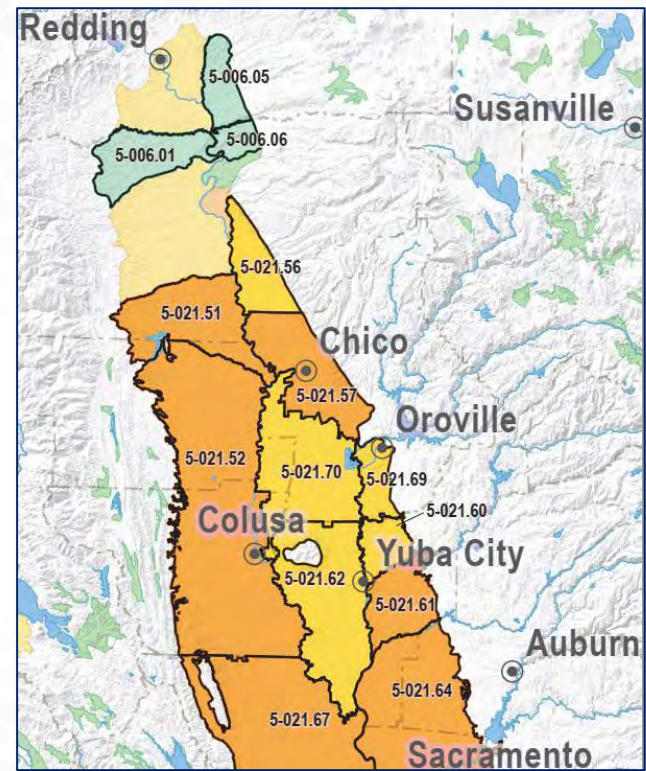
GSA Roles and Responsibilities

- Governance
- Outreach and Engagement
- Funding
- Information Gathering
- Plan Development and Reporting
- Projects (e.g. Groundwater Recharge)
- Groundwater Regulation and Enforcement
- Groundwater Extraction Oversight
- Property Acquisition and Management



SGMA Foundations

- 515 Groundwater Basins / Subbasins Statewide
- 98 Basins / Subbasins required to comply with SGMA*
- Compliance based on basin prioritization as mandated by State Legislature in 2009.
- Prioritization variables include (but not limited to):
 - Population
 - Socioeconomics
 - Number of wells
 - Groundwater elevations
 - Irrigated acres



*Draft Prioritization
Results as of
September 2019

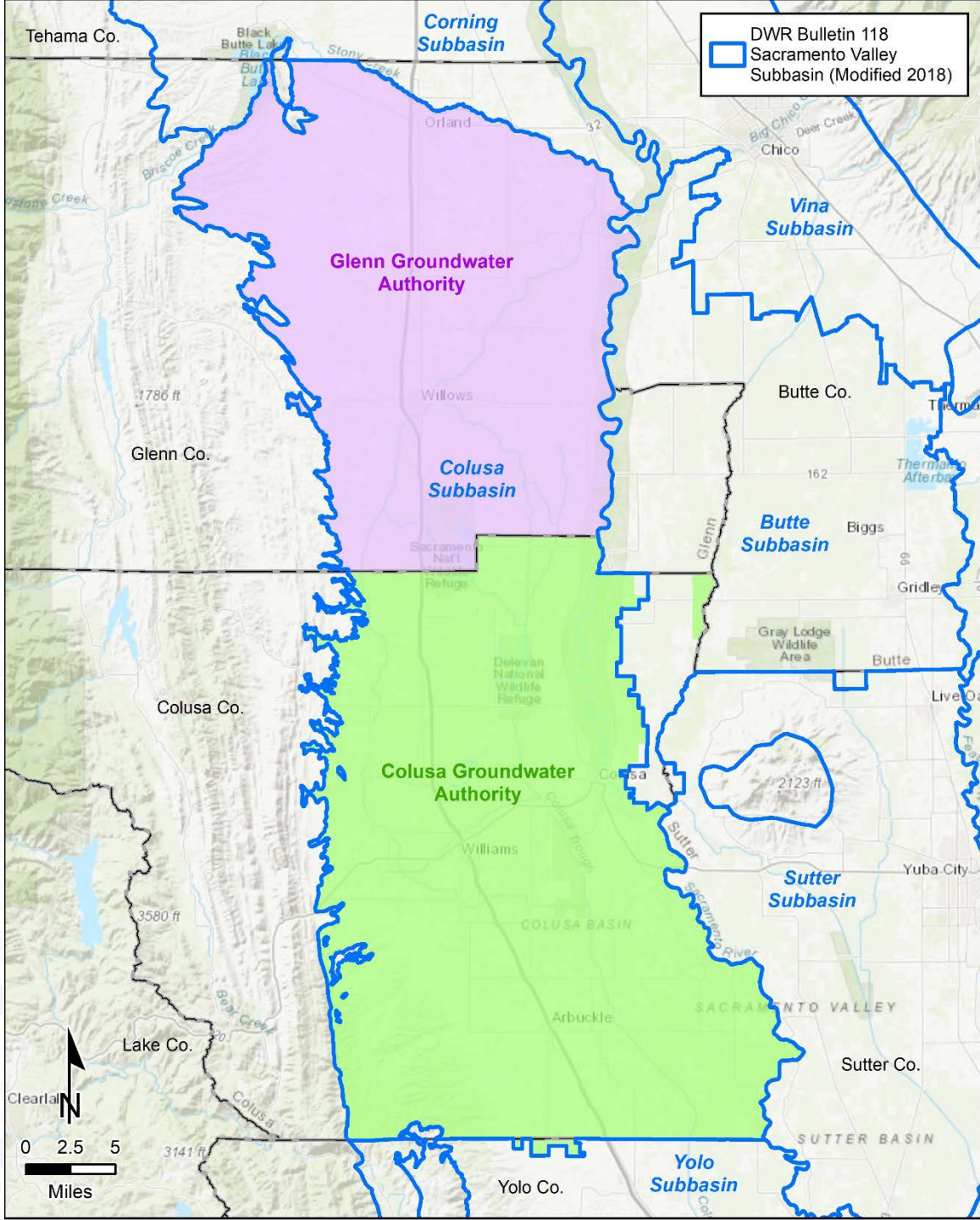
SGMA Foundations



Beneficial Users (Water Code §10723.2)

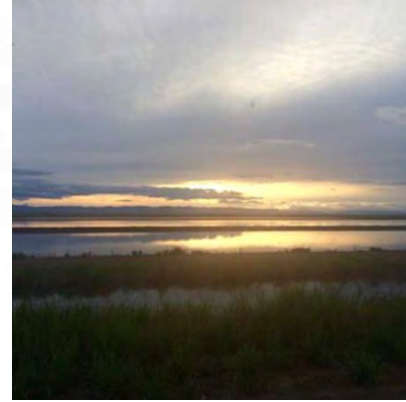
- All Groundwater Users
- Holders of Overlying Rights (agricultural and domestic)
- Municipal Well Operators
- Public Water Systems
- Tribes
- Local Land Use Planning Agencies
- Counties
- Local Landowners
- Disadvantaged Communities
- Businesses
- Federal Government
- Environmental Users
- Surface Water Users (*if connection between surface and groundwater*)

Colusa Subbasin Map



Colusa Groundwater Authority

Member Agencies / Board of Directors



County of Colusa

Denise Carter (Chair) / Alternate: Gary Evans

City of Colusa

Tom Reische / Alternate: Dave Markss

City of Williams

Alfred Sellers, Jr. / Alternate: Sajit Singh

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Knute Myers / Alternate: Shelly Murphy

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Charles Marsh / Alternate: Derick Strain

Colusa Drain Mutual Water Company

Jim Wallace / Alternate: Lynell Pollock

2 Private Pumper Representatives from the Colusa County Groundwater Commission:

Darrin Williams and Jeff Moresco



Glenn Groundwater Authority

Member Agencies / Board of Directors

County of Glenn

John Viegas / Alternate: Vince Minto

City of Orland

Bruce Roundy

Alternate: Pete Carr

2nd Alternate: Ed Vonasek

City of Willows

Gary Hansen / Alternate: Evan Markey

Glenn-Colusa Irrigation District

John Amaro / Alternate: Thaddeus Bettner

Glide Water District

George Nerli

Alternate: Leslie Nerli

2nd Alternate: Michael Alves

Princeton-Codora-Glenn I.D. and Provident I.D.

Gary Enos / Alternate: Lance Boyd

Kanawha Water District

Randy Hansen / Alternate: Wade Danley

Orland-Artois Water District

Charles Schonauer

Alternate: Emil Cavagnolo

2nd Alternate: Andrea Jones

Sustainability Indicators



Surface Water
Depletion



Reduction
of Storage



Degraded
Quality



Seawater
Intrusion



Land
Subsidence



Lowering
GW Levels

Example GSP Section Requirements



- 1. Administrative Information**
- 2. Basin Setting**
- 3. Sustainable Management Criteria**
- 4. Monitoring Networks**
5. Projects and Management Actions
6. Technical & Reporting Standards
7. Interagency Agreements

Example GSP Section Requirements



- Administrative Information
 - General Description of Area
 - Location, Land Uses, Well Information, Maps, etc.
 - Notice and Communication
 - Public Outreach
 - Beneficial User Information and Input
 - GSA Decision-Making

Example GSP Section Requirements



- Basin Setting
 - Hydrogeologic Conceptual Model (HCM)
 - Groundwater Conditions
 - Water Budget
 - Management Areas (if applicable and selected by the GSA)

Example GSP Section Requirements



- Sustainable Management Criteria
 - Sustainability Goal
 - Undesirable Results
 - Minimum Thresholds
 - Interim Milestones
 - Measurable Objectives

Example GSP Section Requirements



- Monitoring Networks
 - Network Objectives for each Sustainability Indicator
 - Scientific Rationale
 - Monitoring Protocols
 - Locations and Type
 - Data and Reporting Standards
 - Assessment and Improvement Methods

GSP Iterative Process



Thank You

Beneficial User input is essential to GSP development and SGMA planning and implementation.

Please visit the websites or contact Staff to get on the contact list:

Mary Fahey

Water Resources Manager, Colusa Groundwater Authority
530-458-0719

CGA Website: <https://colusagroundwater.org/>

Lisa Hunter

Program Manager, Glenn Groundwater Authority
530-934-6501

GGA Website: <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>

SGMA Basin Setting Colusa Subbasin

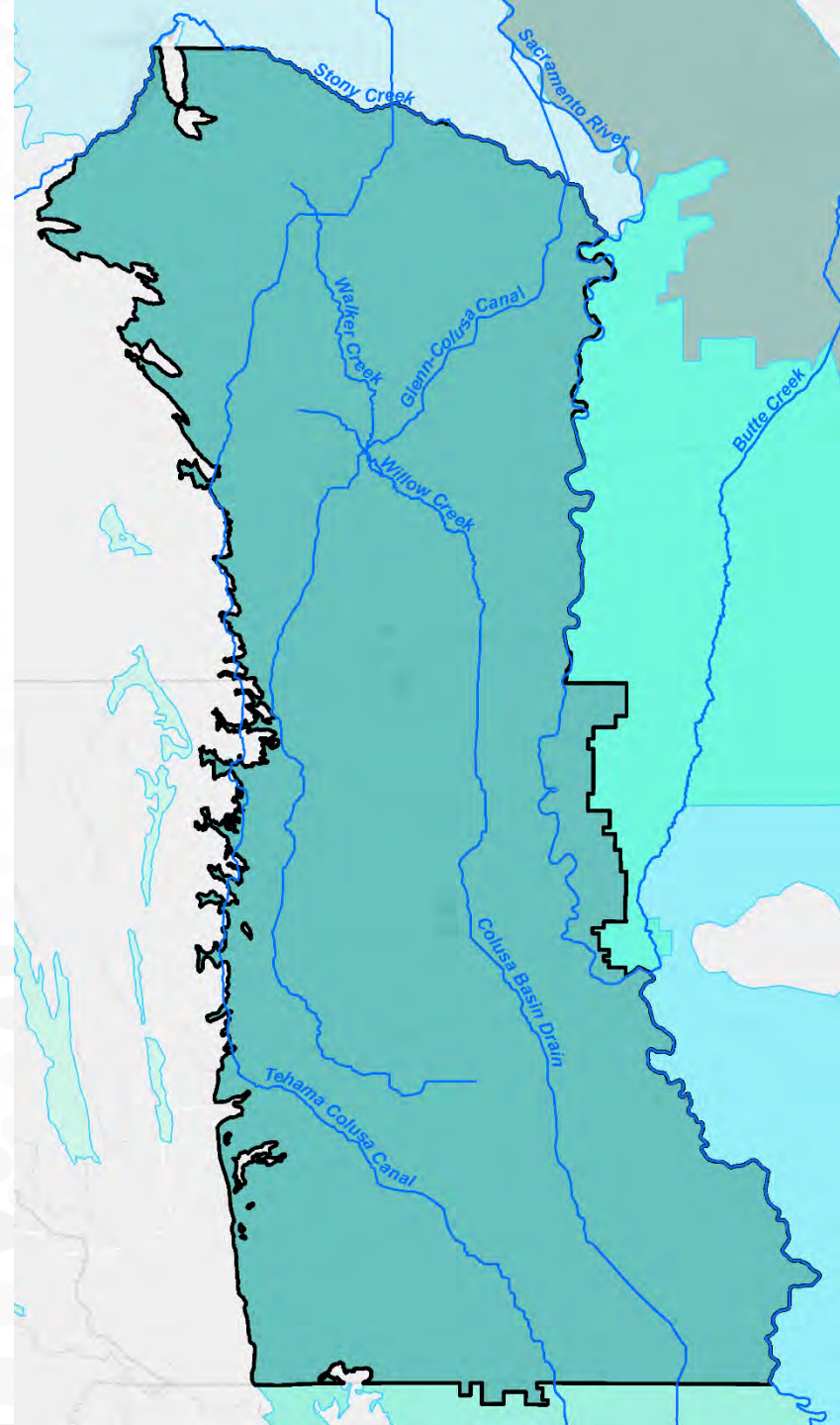
Ken Loy, CHG – West Yost Associates

Dave Ceppos – Facilitator, Sacramento State University

Byron Clark, PE – Davids Engineering

Session Agenda

- Basin Setting Presentation
 - SGMA Definitions
 - Colusa Subbasin Overview
 - Groundwater Flow in Alluvial Basins
 - Stream-Aquifer Interactions
 - Colusa Subbasin HCM
 - Colusa Subbasin Groundwater Conditions
- Small Group Discussions
- Water Budget Update
- Modelling Update



Basin Setting

“Basin Setting”

Definition

(23 CCR § 354.12)

“... physical setting ... characteristics ... and current conditions of the basin ... including ... **data gaps** and **levels of uncertainty** ... that serve as the basis for defining and assessing reasonable **sustainable management criteria** and projects and management actions.”

Includes

- Hydrogeologic Conceptual Model (HCM)
- Groundwater Conditions
- Water Budget
- Management Areas (if applicable)

Logical Progression of Basin Activities Needed to Increase Basin Sustainability

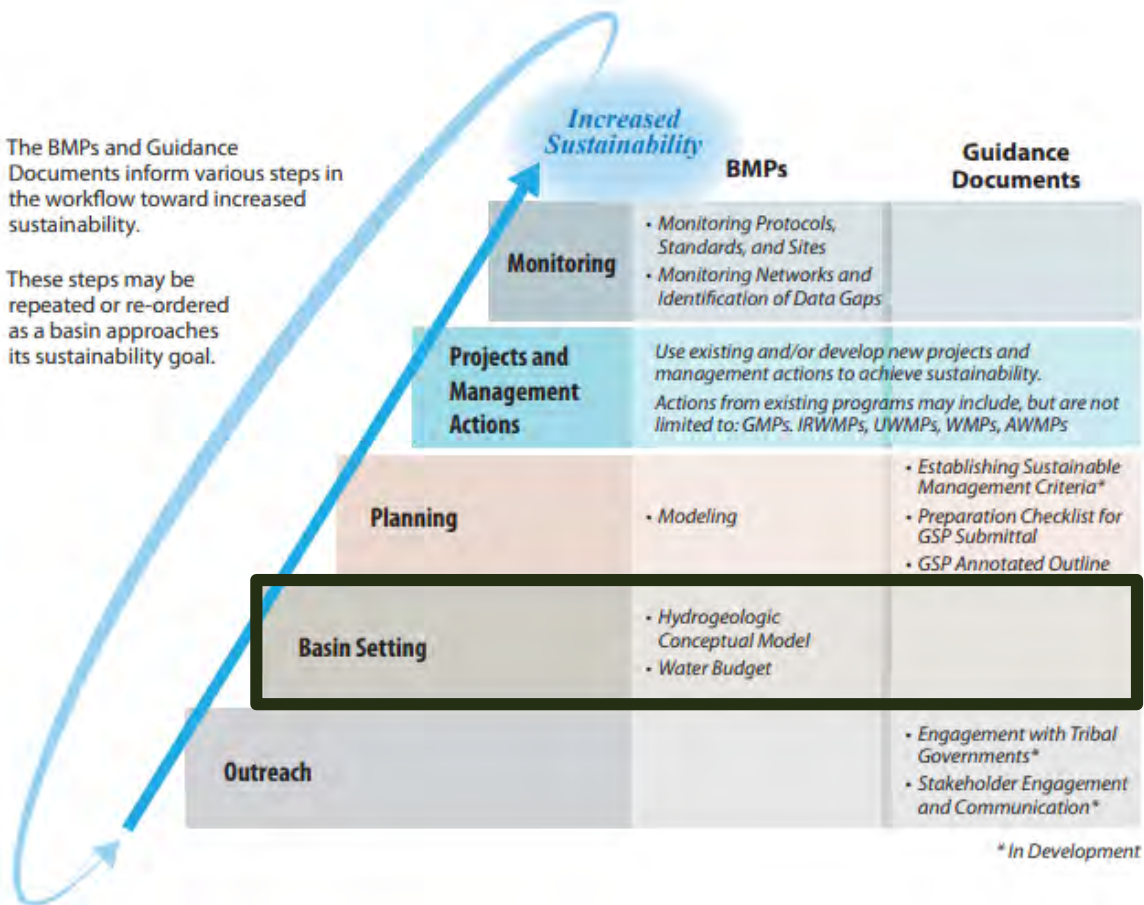


Image Source: DWR, Framework BMP, December 2016.

“Data Gaps” and “Uncertainty”

- **Data Gaps** refer to a lack of information that significantly affects the understanding of the basin setting.
- **Uncertainty** refers to a lack of understanding of the basin setting that affects an Agency's ability to develop sustainable management criteria, appropriate projects, and management actions in a Plan.
- **Data Gaps** and **Uncertainty** may limit the ability to evaluate the efficacy of Plan implementation and to assess whether a basin is being sustainably managed.

“Sustainability Indicators” and Sustainable Management Criteria

- **Sustainability Indicators** refer to any of the effects caused by groundwater conditions that can cause undesirable results with regard to:

- Groundwater levels
- Groundwater storage
- Seawater intrusion
- Water quality
- Land subsidence
- Interconnected surface water

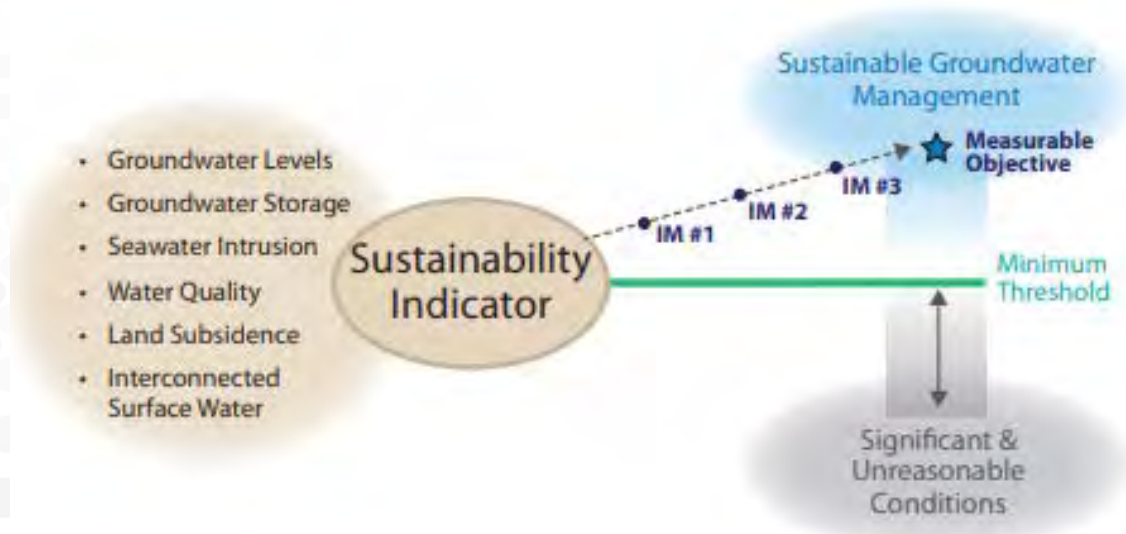


Image Sources: DWR, GSP Emergency Regulations Guide, July 2016.

Colusa Subbasin

- Largest Subbasin in the Sacramento Valley
- 724,000-acre Area
- 60 miles North-South
- 20 miles East-West
- 1,500 ft Thickness



Groundwater Flow in Alluvial Basins

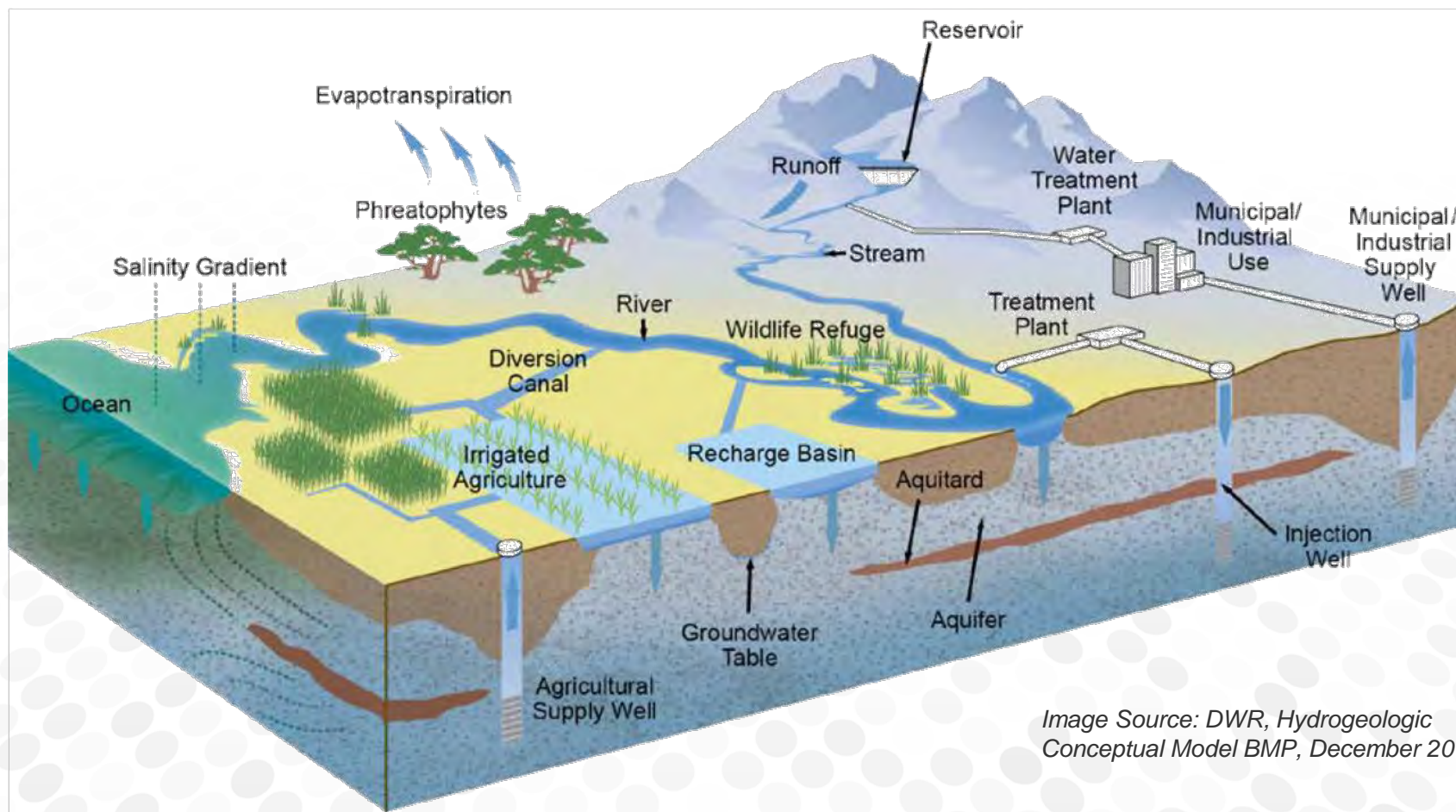
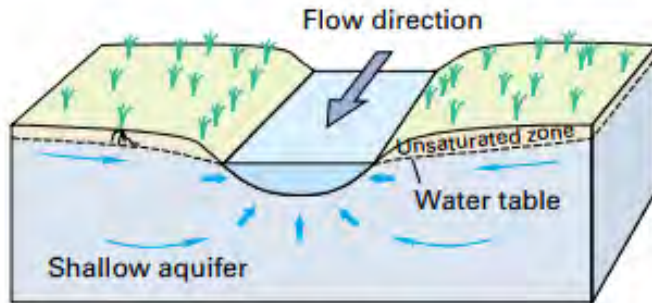


Image Source: DWR, Hydrogeologic Conceptual Model BMP, December 2016.

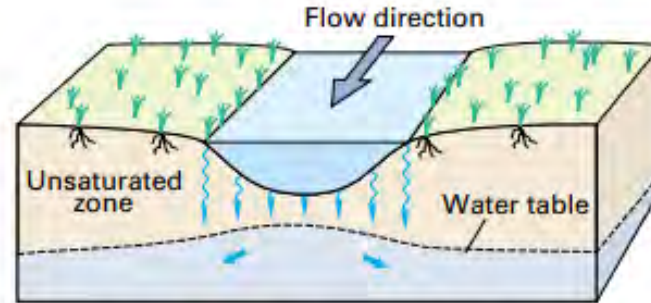
Stream – Aquifer Interactions

GAINING STREAM



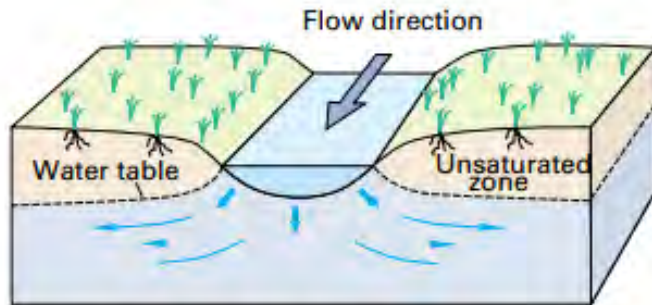
Gaining streams receive water from the groundwater system.

DISCONNECTED STREAM



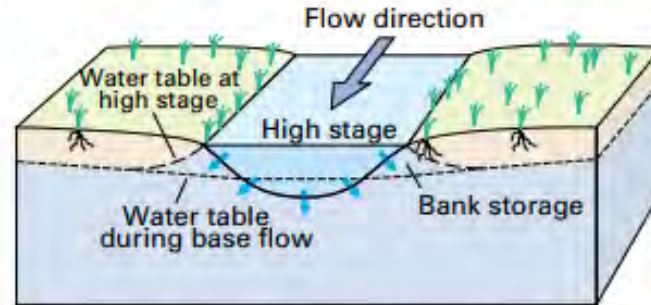
Disconnected streams are separated from the ground water system by an unsaturated zone. For disconnected streams, losses are independent of the groundwater level.

LOSING STREAM



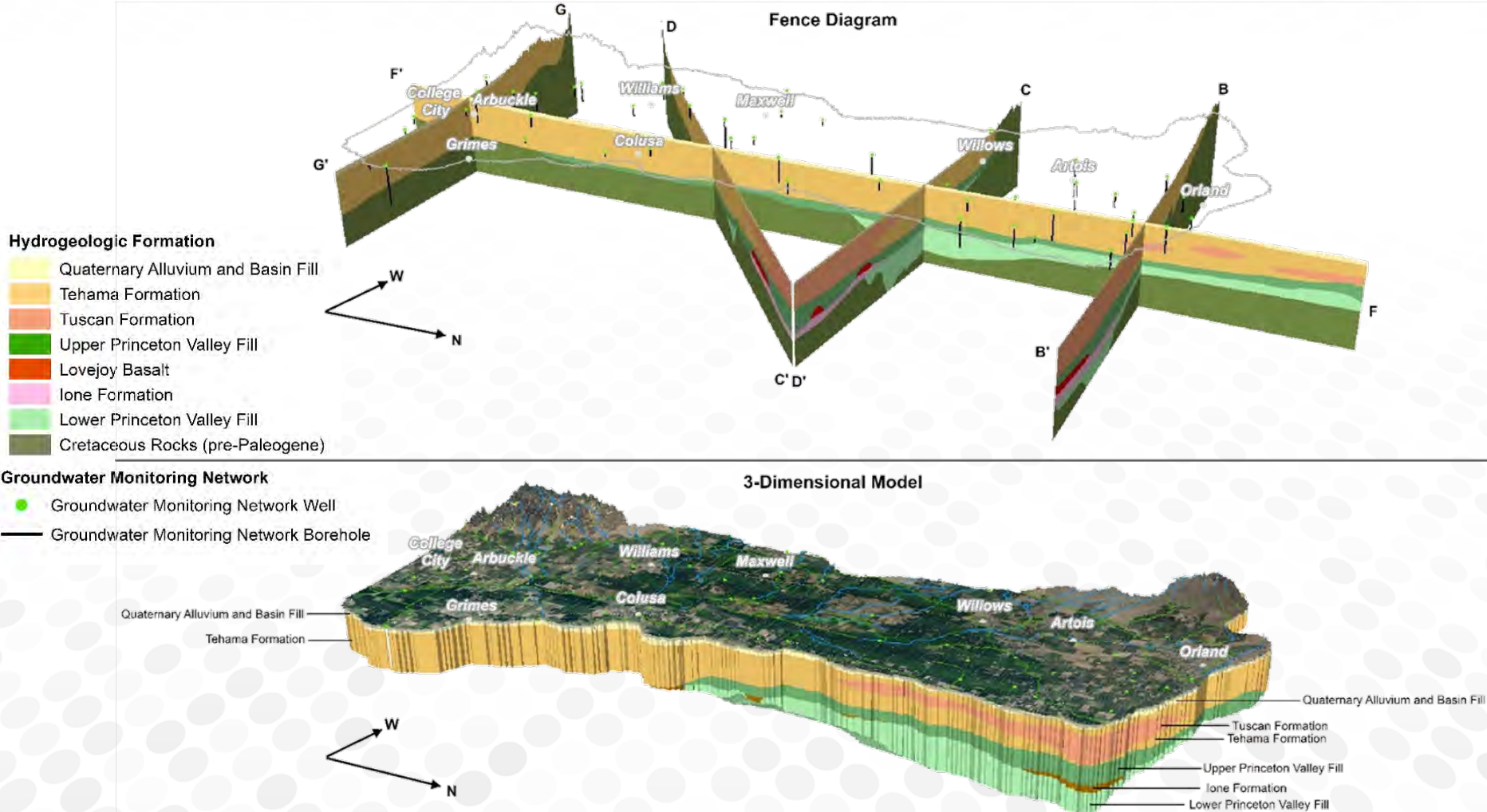
Losing streams lose water to the groundwater system.

BANK STORAGE



If stream levels rise higher than adjacent groundwater levels, stream water moves into the streambanks as bank storage.

Hydrogeologic Conceptual Model



Vertical Exaggeration=10x

Image Source: Hydrogeologic Conceptual Model Report, May 2018.

Hydrogeologic Conceptual Model

- Canal / Ditch
- Stream / River

- Alluvium
- Tehama Formation
- Tuscan Formation
- Upper Princeton Valley Fill
- Ione Formation
- Lower Princeton Valley Fill

Vertical Exaggeration=1x

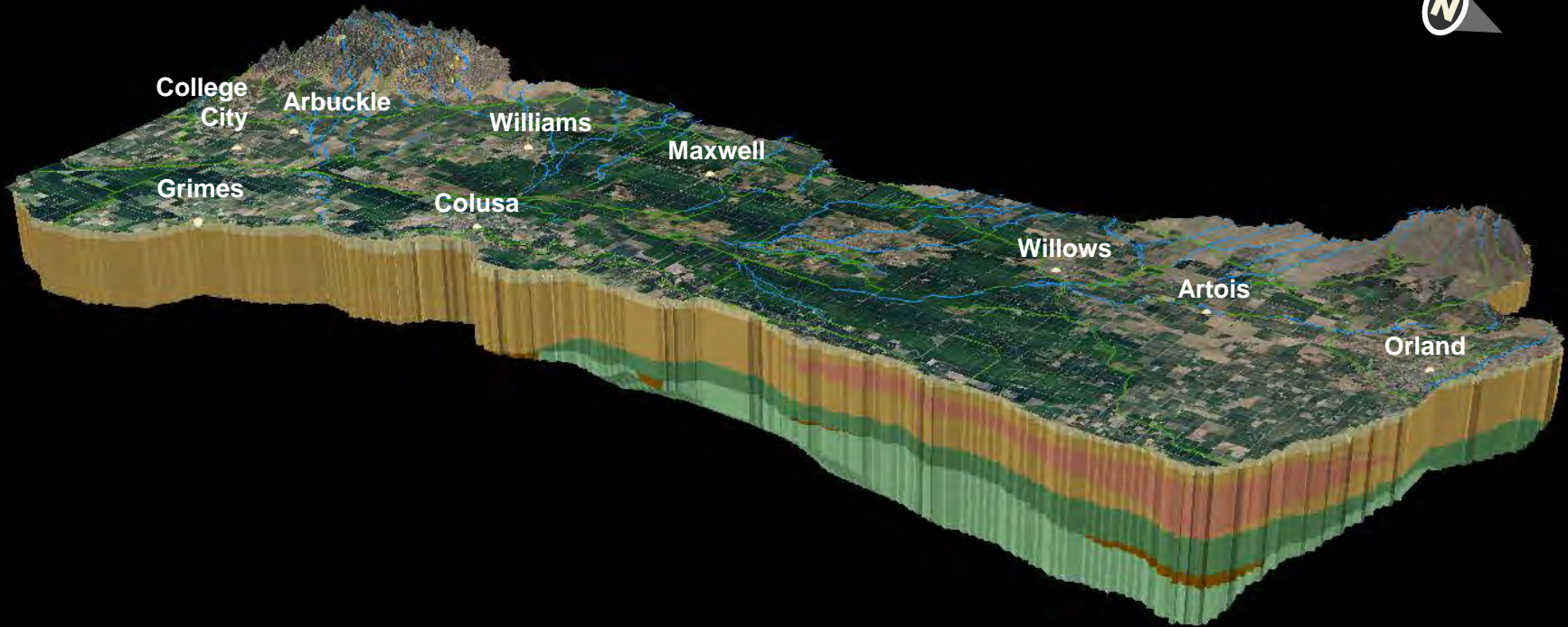


Hydrogeologic Conceptual Model

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Vertical Exaggeration=10x

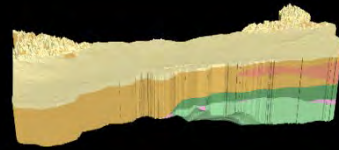


Improved Understanding of Principal Aquifers

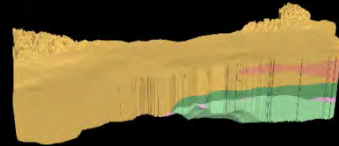
Stacked Formations

Principal Aquifers

Geologic Formation



Young Alluvium



Tehama Formation



Tuscan Formation

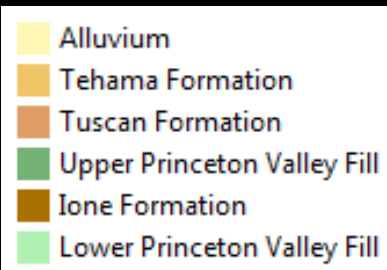
Below Geologic Base of Freshwater



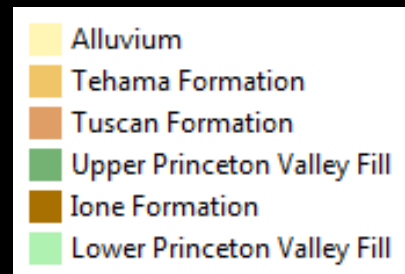
Upper Princeton Valley Fill
Ione Formation
Lower Princeton Valley Fill



Vertical Exaggeration=10x

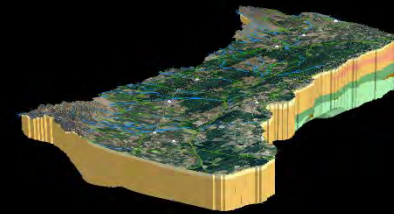


Multi-Directional View of HCM

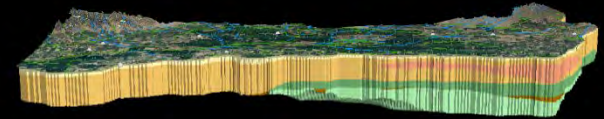


Vertical Exaggeration=10x

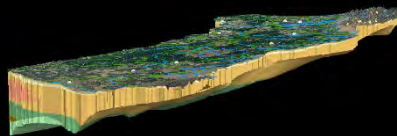
Looking North



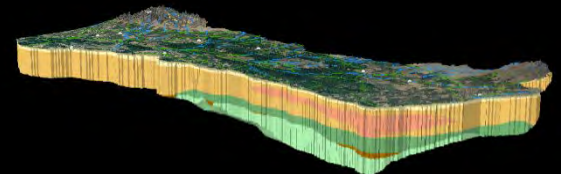
Looking East



Looking West

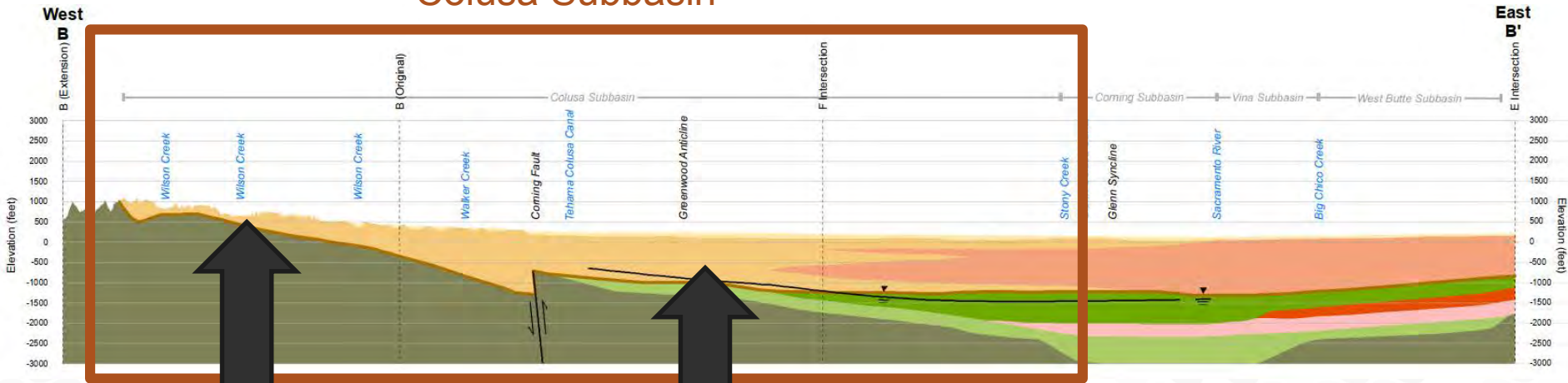


Looking South



Cross Section B-B'

Colusa Subbasin



Principal aquifers are thinner along the western edge of the basin

Principal aquifers are generally thicker closer to middle of the Sacramento Valley

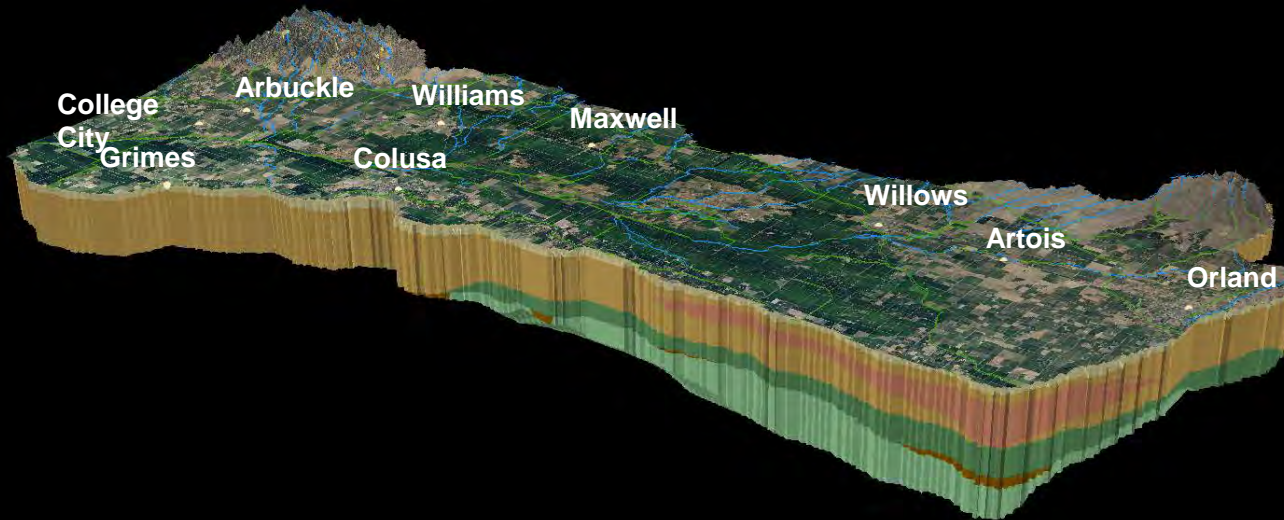
Symbology

- Fault
- Approximate Base of Groundwater Subbasin
- Base of Fresh Water (~2,000 mg/L TDS)

Geologic Units

- Alluvium
- Tehama Formation
- Tuscan Formation
- Upper Princeton Valley Fill
- Lovejoy Basalt
- Ione Formation
- Lower Princeton Valley Fill
- Cretaceous Rocks (pre-Paleogene)

Water Movement Through the HCM



Major Water Budget Components

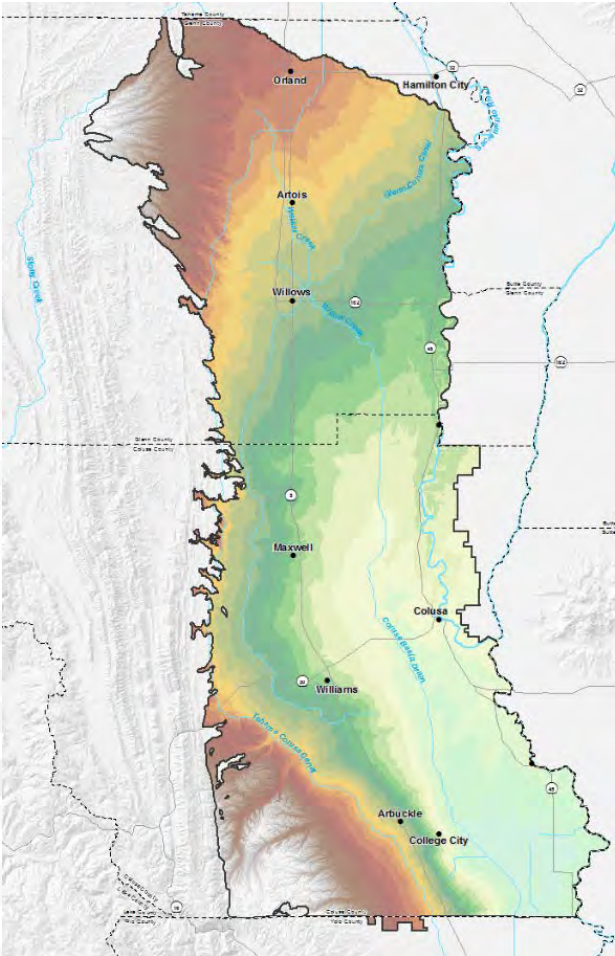
- Precipitation Recharge
- Applied Water Recharge
- Evapotranspiration
- Pumping & Injection
- Surface Water Inflows & Outflows
- Stream - Aquifer Interactions
- Underflow

Vertical Exaggeration=10x

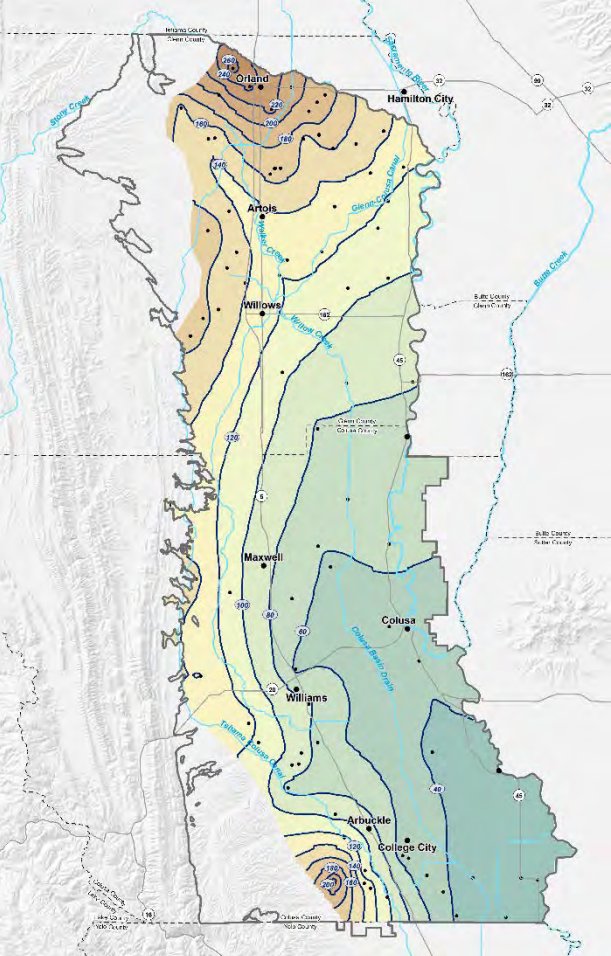


Groundwater Flow Trends

Land Surface Elevation

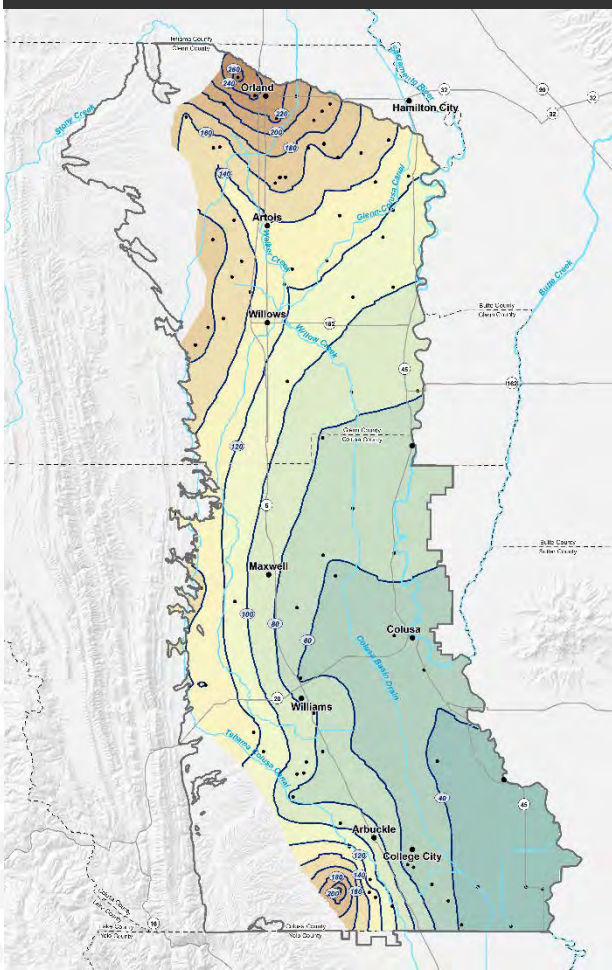


GWE Spring 2006

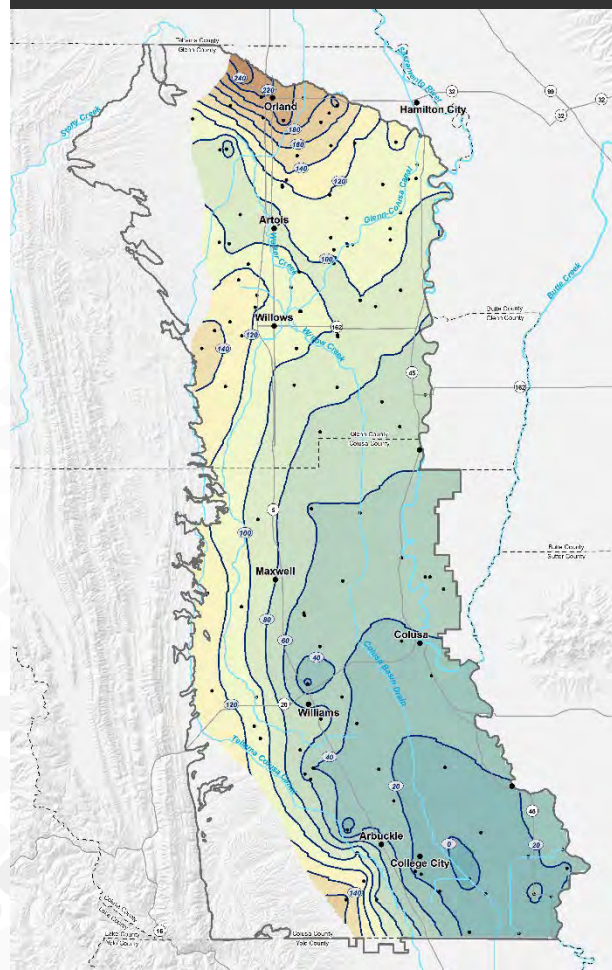


Groundwater Elevation Change - 2006 to 2015

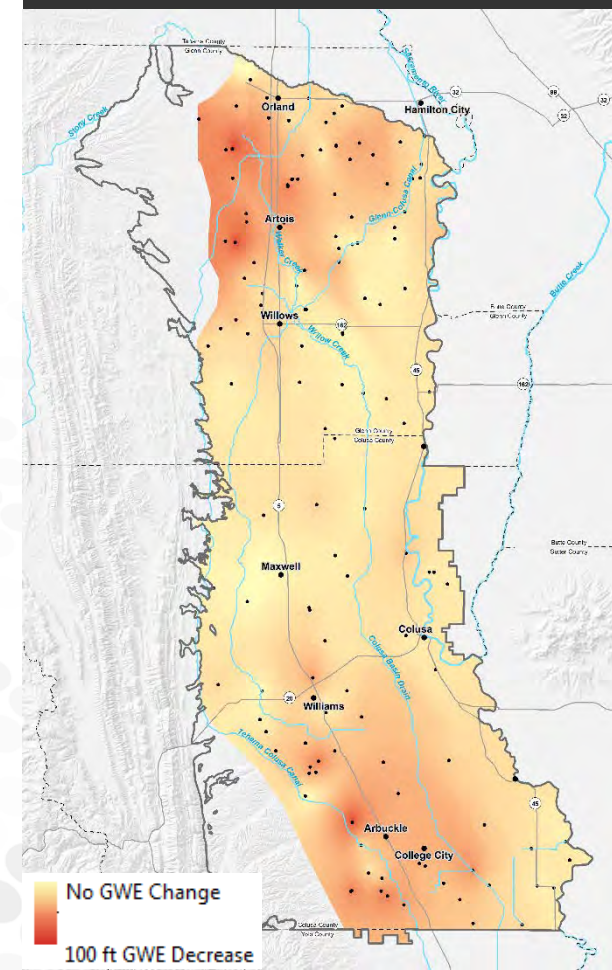
GWE Spring 2006



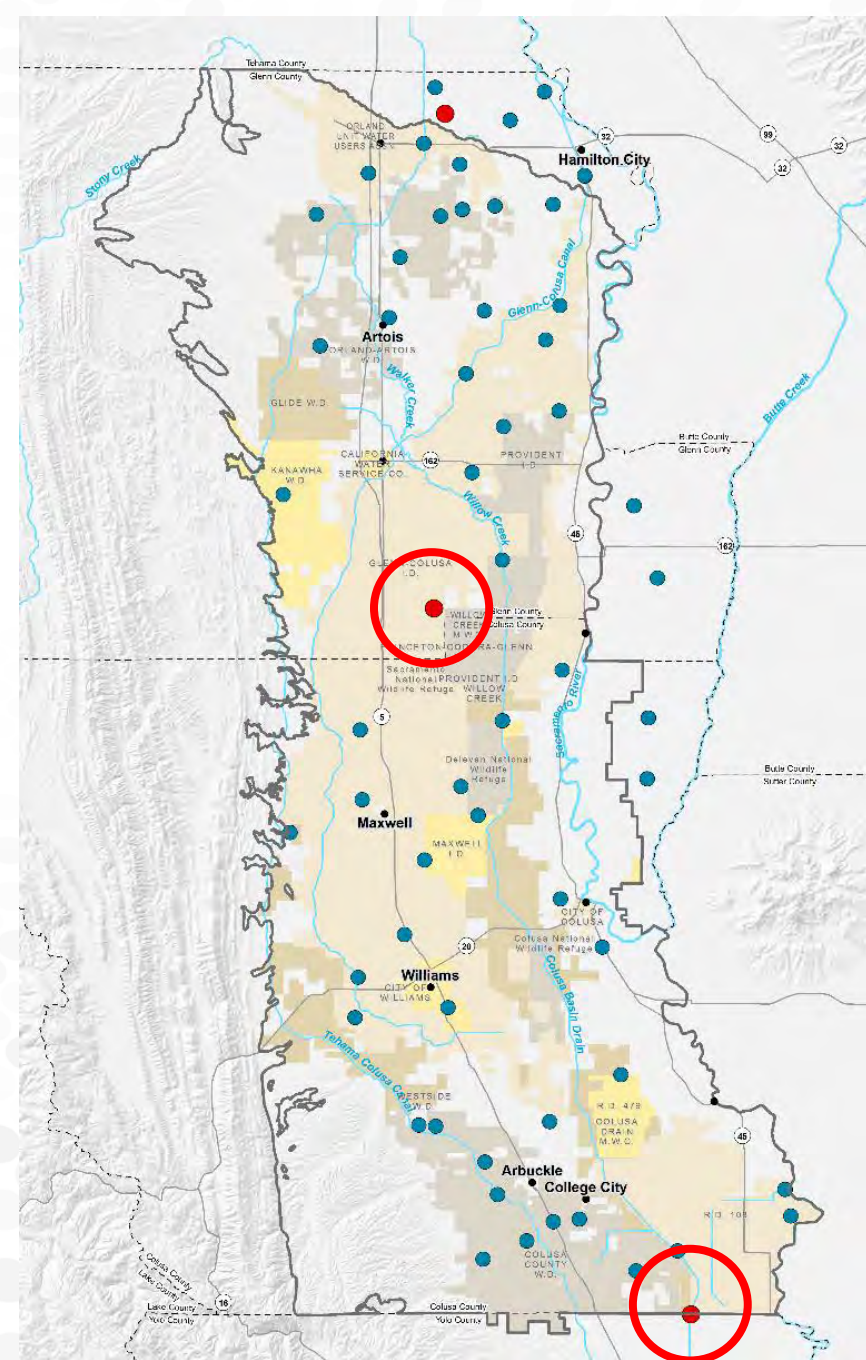
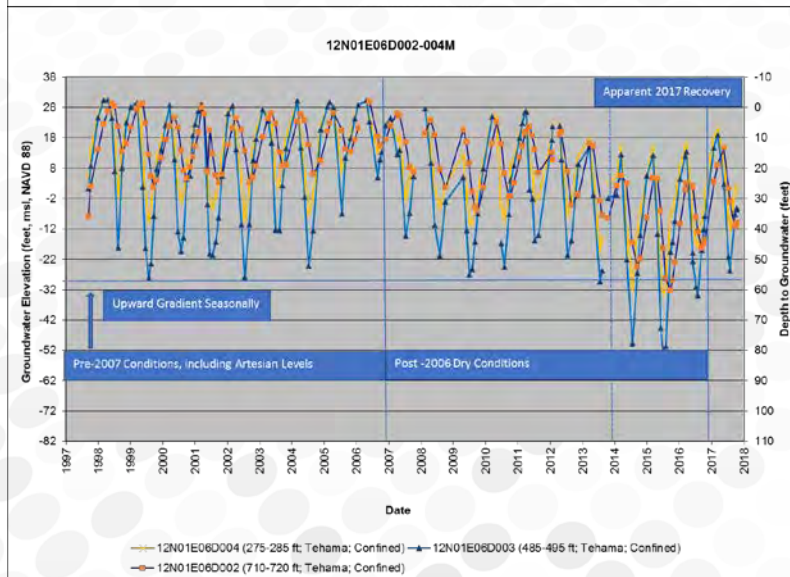
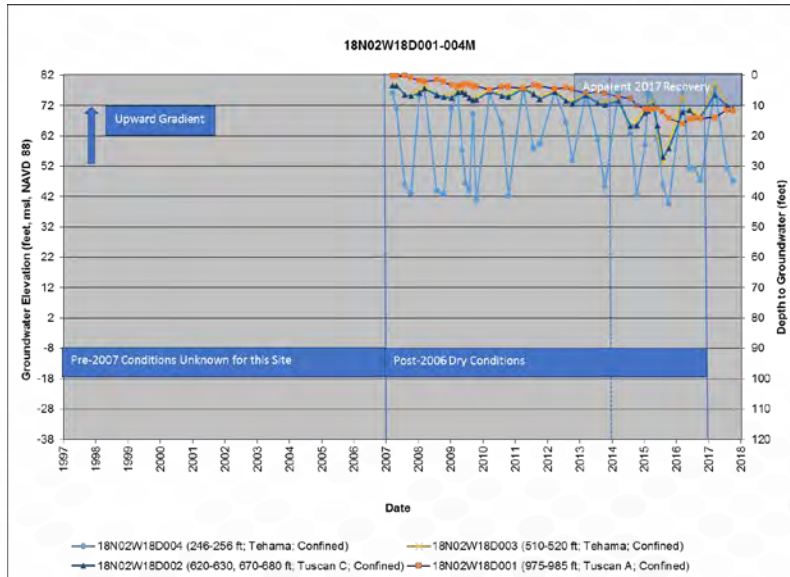
GWE Spring 2015



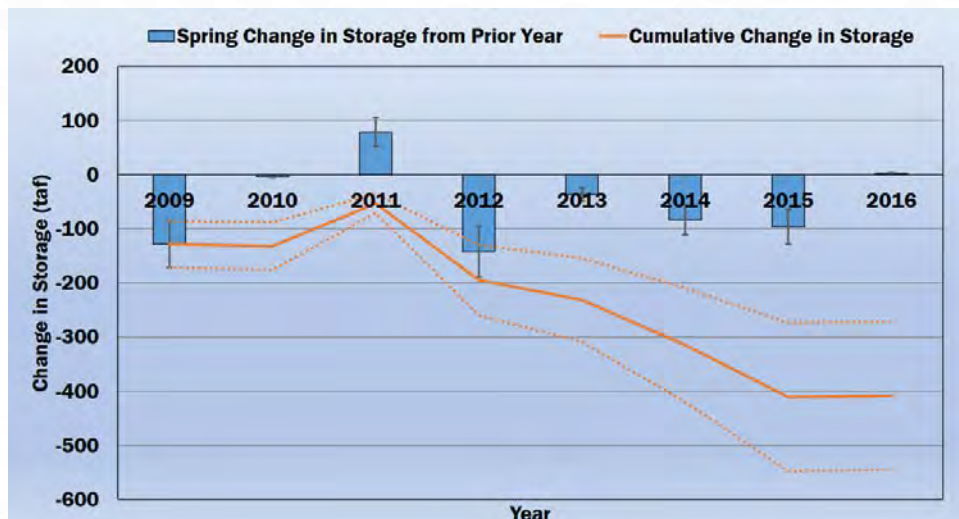
GWE Change



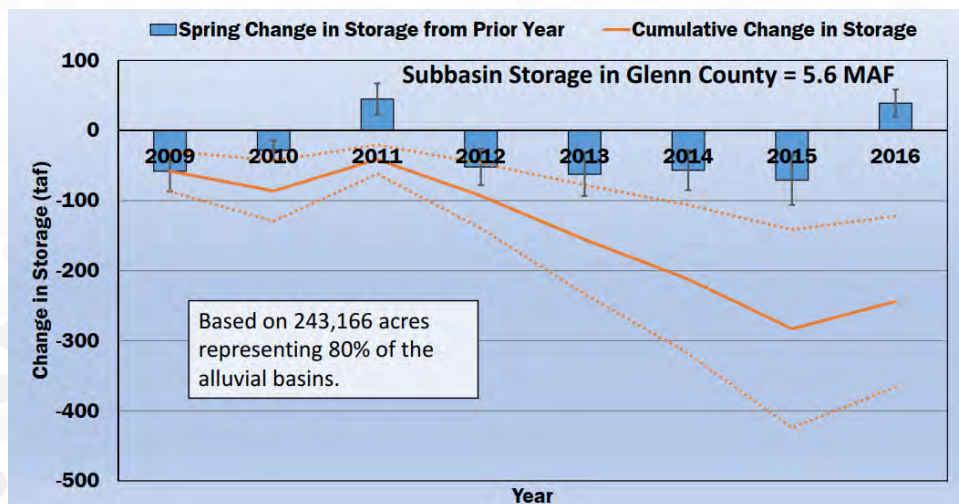
Hydrographs



Colusa Subbasin Groundwater Storage Colusa County



Glenn County



Groundwater Storage

- Storage reduced during multiple-year drought but early analysis indicates recovery.

Image Sources:

Groundwater Conditions in Colusa County Relative to Final Groundwater Sustainability Plan Regulations, July 2016.

Glenn County Reconnaissance-Level Groundwater Sustainability Risk Assessment, May 2017.

Groundwater Quality

- Current groundwater quality is generally “good” with potential for some isolated issues.
- Focus will be on impacts to groundwater quality due to activities after implementation of Colusa Subbasin GSP.
- Existing water quality monitoring programs are sufficient and not expected to change due to GSP implementation.



Irrigated Lands Regulatory Program (ILRP)

www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands

For any questions or to find out more information, ILRP staff can be reached at:

Sacramento ILRP Tel: (916) 464-4611
Office: Email: irlrands@waterboards.ca.gov

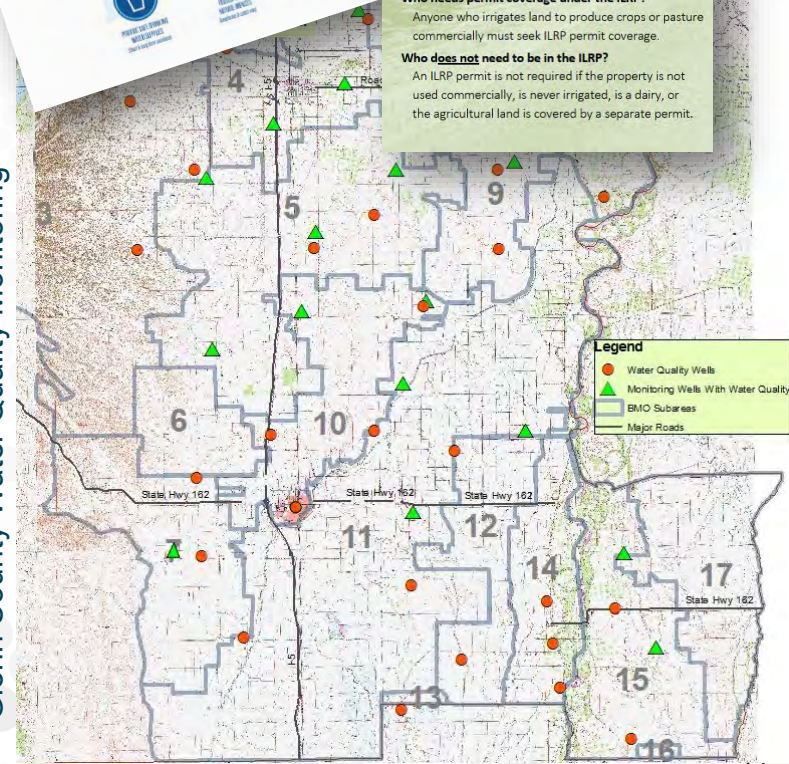
Fresno ILRP Tel: (559) 488-4396
Office: Email: irlrinfo@waterboards.ca.gov

What is the ILRP?
The ILRP is a Central Valley Water Board (CWVB) program that issues permits and conducts compliance and enforcement activities to ensure growers comply with CWVB regulations.

Who needs permit coverage under the ILRP?
Anyone who irrigates land to produce crops or pasture commercially must seek ILRP permit coverage.

Who does not need to be in the ILRP?
An ILRP permit is not required if the property is not used commercially, is never irrigated, is a dairy, or the agricultural land is covered by a separate permit.

Glenn County Water Quality Monitoring



Land Subsidence Survey

★ Continuous GPS Station

▲ Extensometer

**Sacramento Valley Subsidence
Benchmarks with 2008 to 2017
Height Difference**

● ≥2 feet

● 1 - <2 feet

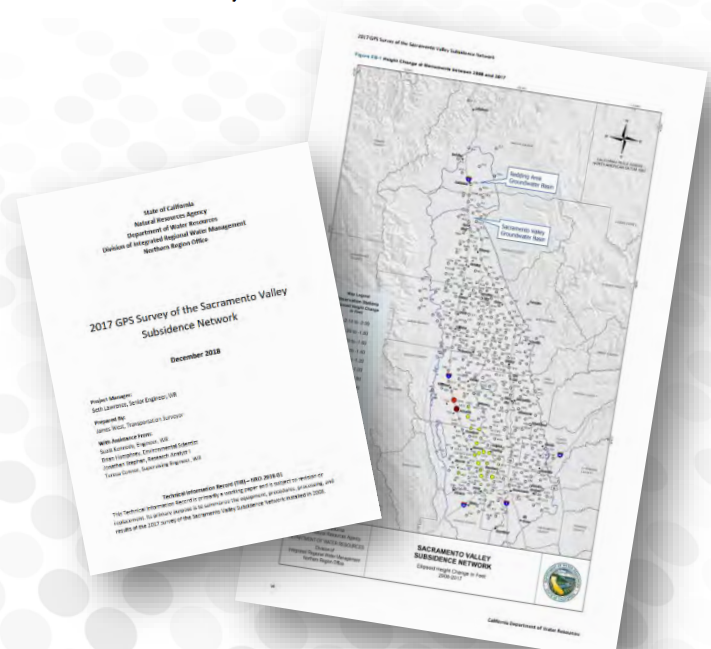
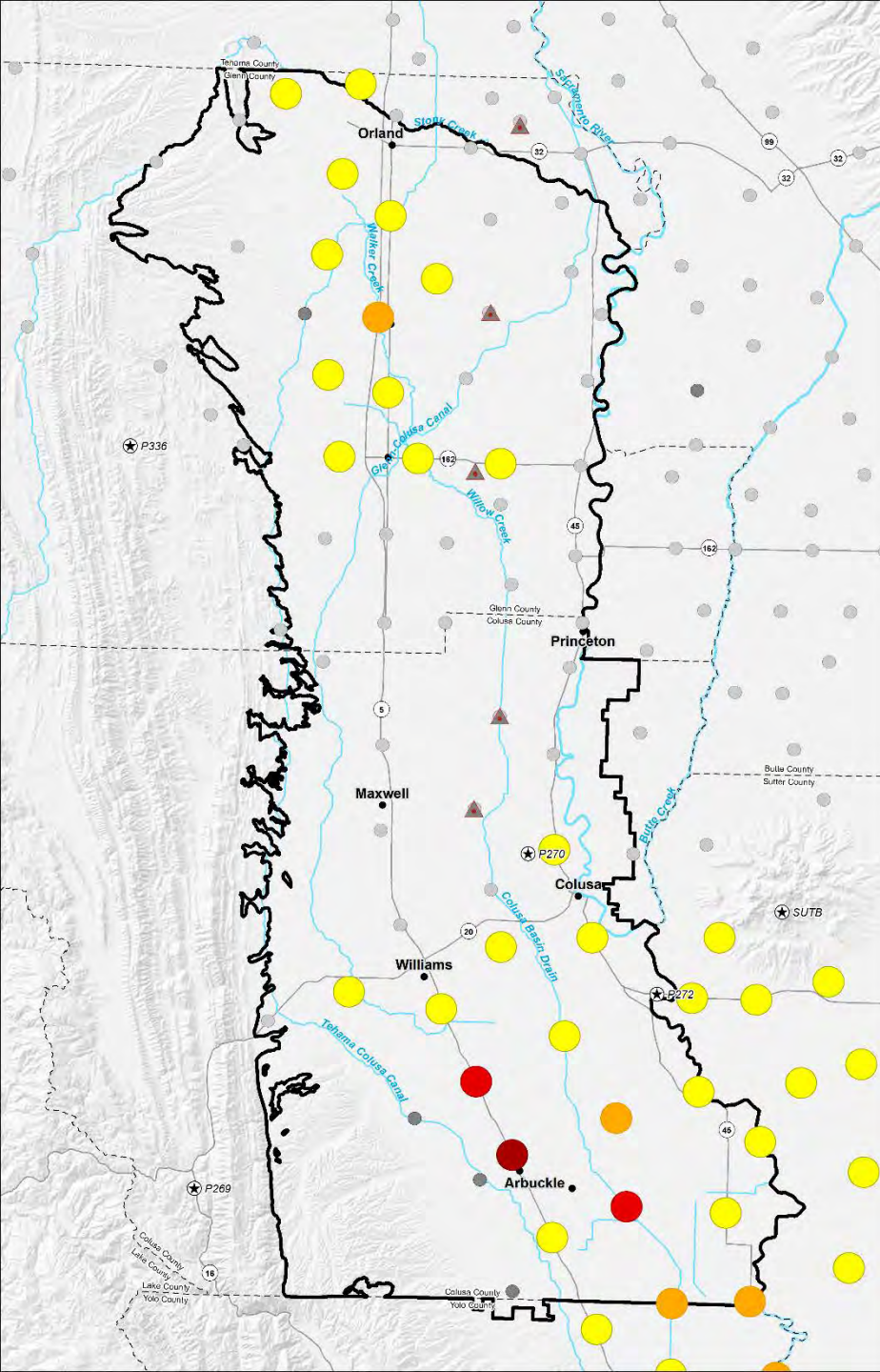
● 0.5 - <1 foot

● 2 - <6 inches

● < 2 inches

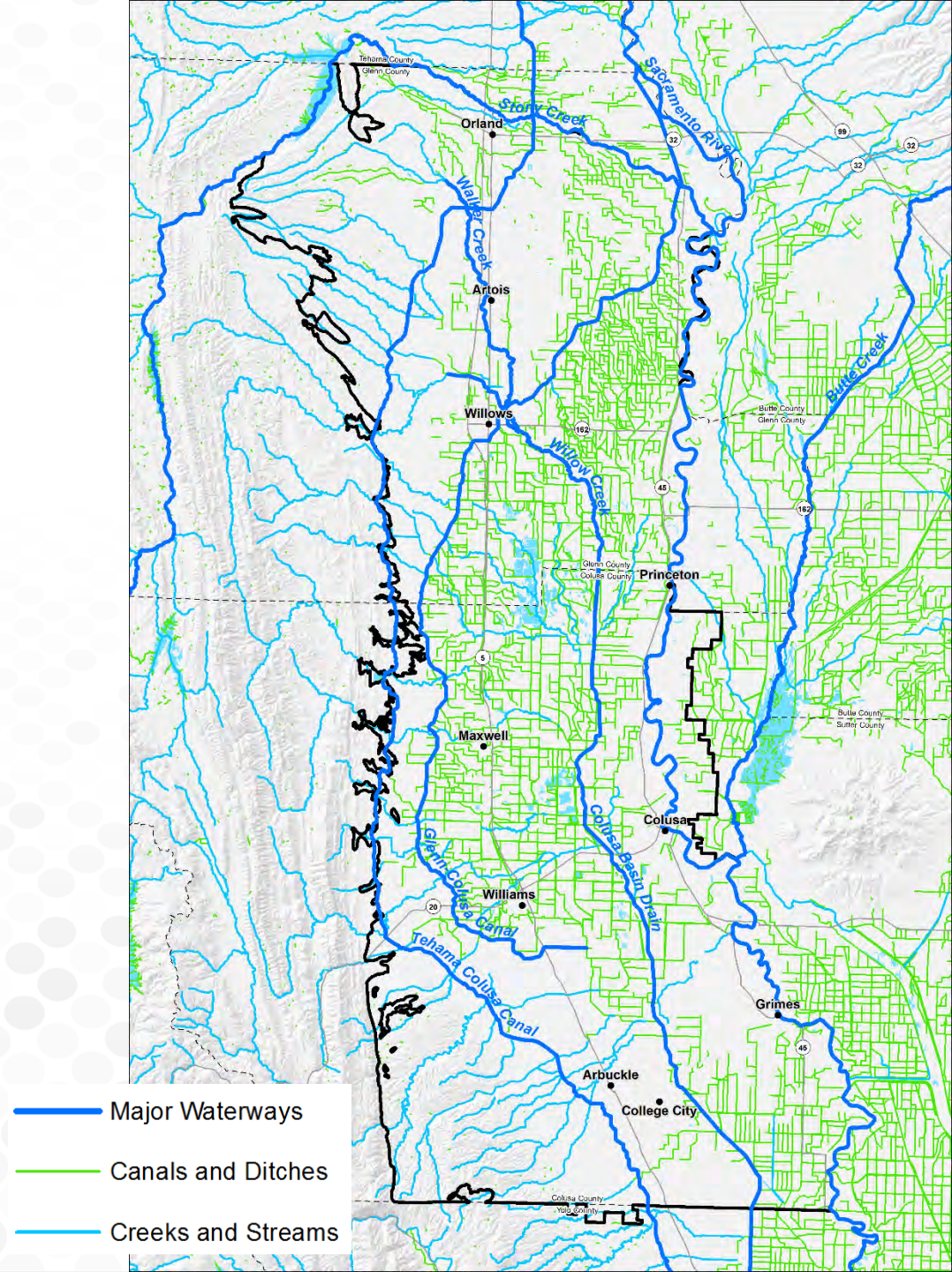
● New Benchmark or Not Surveyed

2017 GPS Survey Sacramento Valley Subsidence Network, December 2018



Interconnected Surface Waters

- Interconnected surface waters exist within Colusa Subbasin.
- There is uncertainty regarding how groundwater use under the Colusa Subbasin GSP would impact these surface waters.
- Numerical modelling will be used to evaluate impacts to interconnected surface waters.

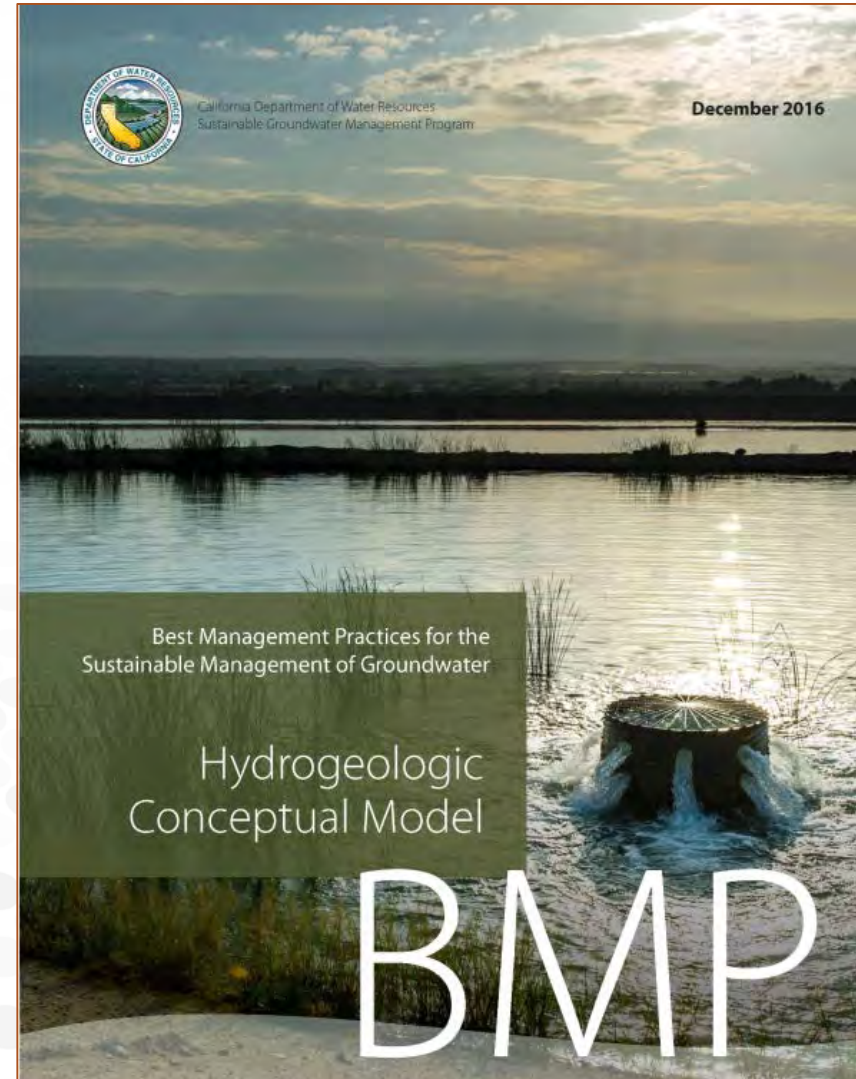


Additional HCM Information

- HCM Fundamentals
- Technical Assistance
- Key Definitions
- Related Materials

- Google:

“SGMA HCM BMP”



Questions?



Ken Loy, CHG

Principal Hydrogeologist - West Yost Associates

kloy@westyost.com

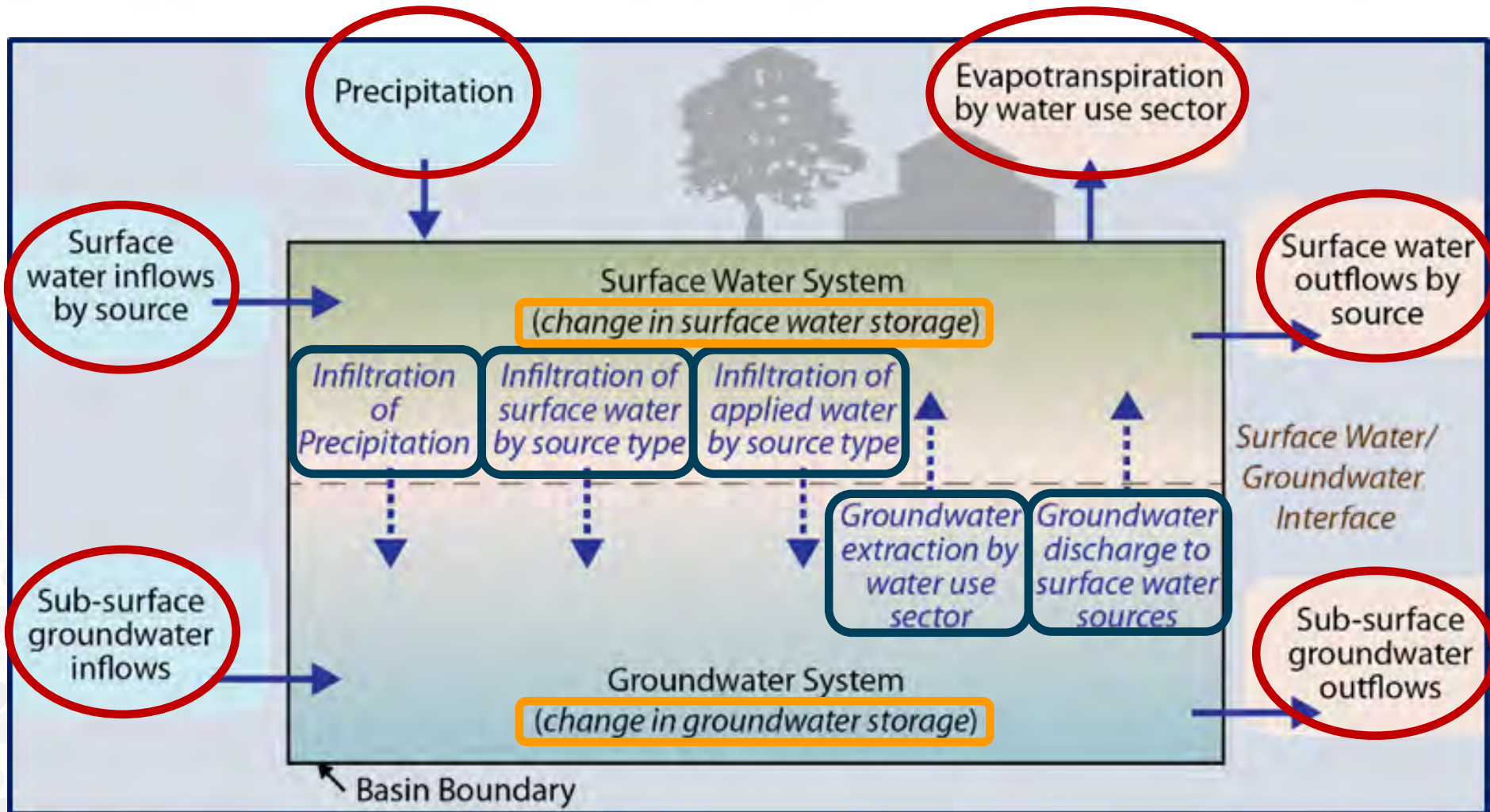
Small Group Discussions – Subbasin Challenges

Water Budget Update

Water Budget Overview

- Explicitly required for inclusion in the GSP (§354.18)
- Complete accounting of inflows, outflows, and change in storage
- Just like a checking account:
 - Deposits – Withdrawals = Balance Change, or
 - Inflows – Outflows = Change in Storage
- Grounded in data
- Must be developed for historical, current, and potential future conditions
- Supported by development of an Integrated Hydrologic Model

Water Budget Components

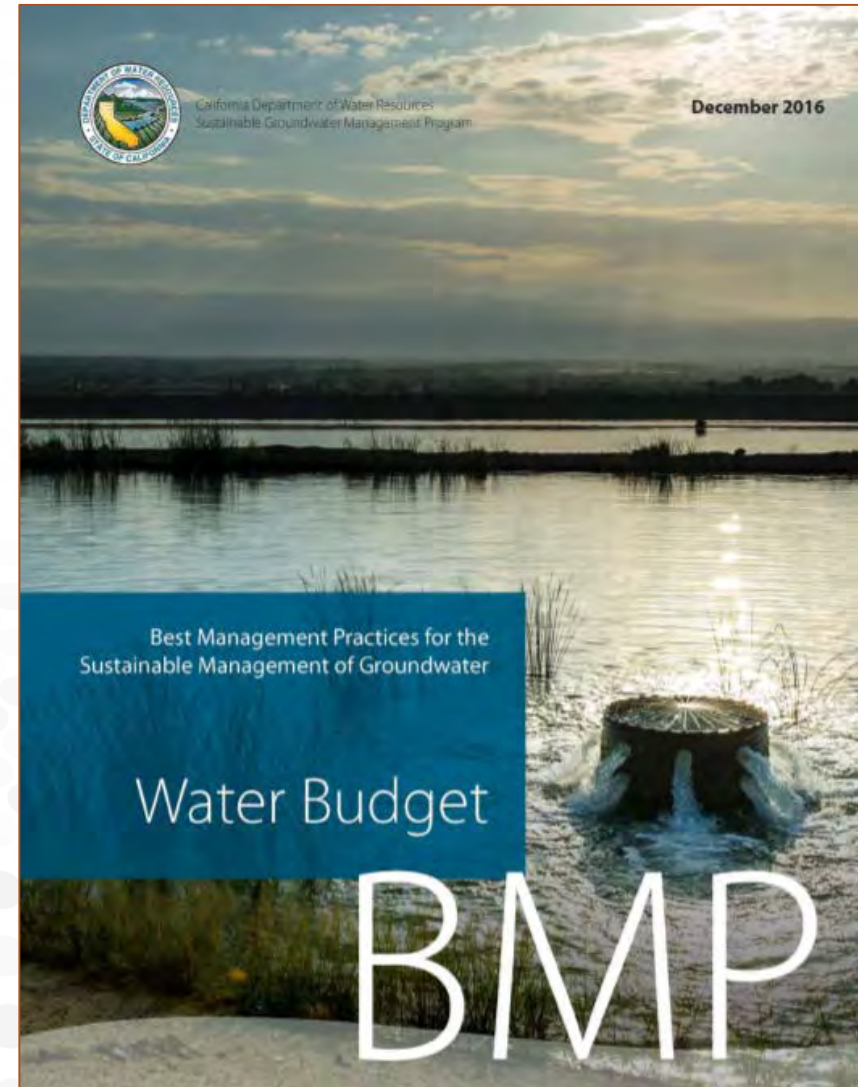


Additional Water Budget Information

- Water Budget Fundamentals
- Technical Assistance
- Key Definitions
- Related Materials

- Google:

“SGMA Water Budget BMP”



Questions?



Byron Clark, PE

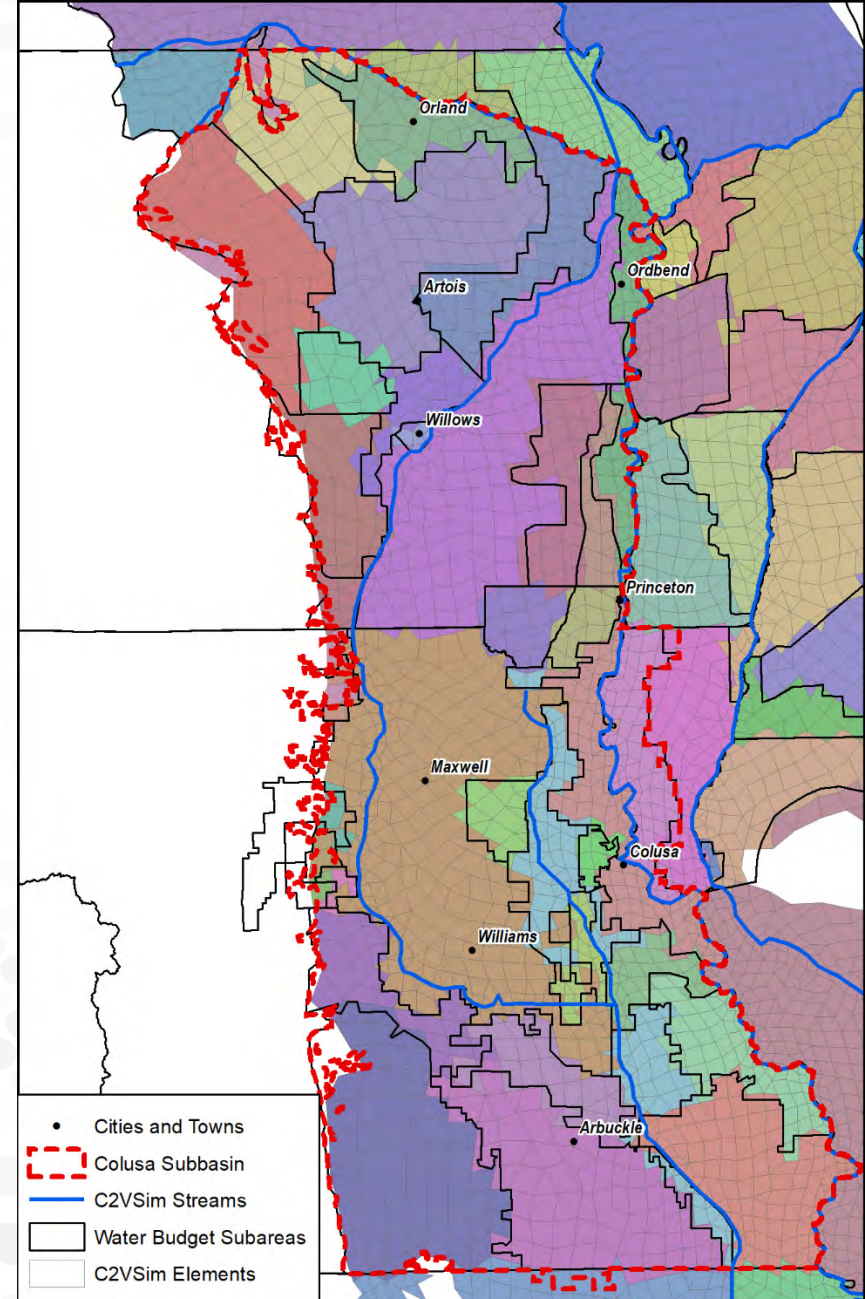
Supervising Engineer – Davids Engineering

byron@davidsengineering.com

Modelling Update

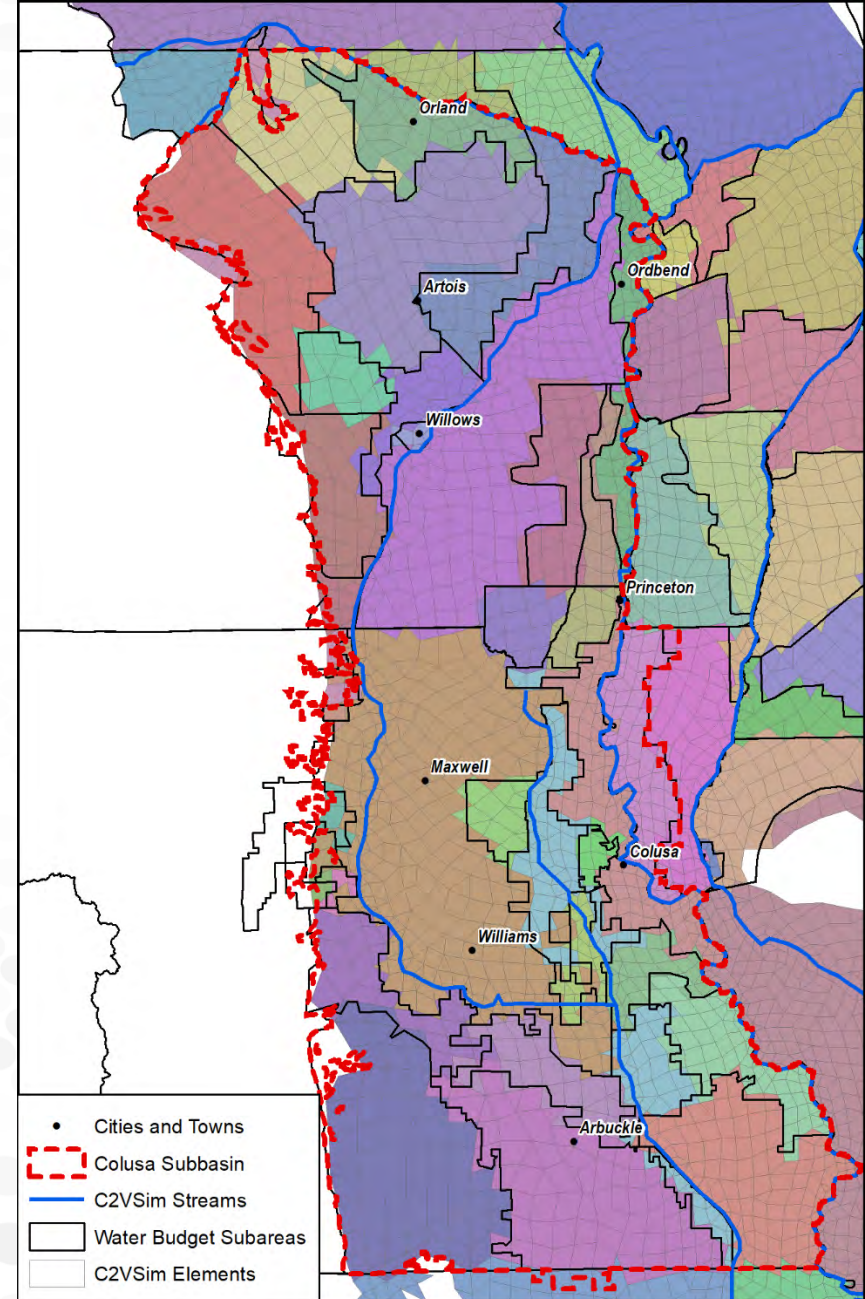
Integrated Hydrologic Model Overview

- Simulates movement of water in the basin over time
- Based on DWR's California Central Valley Groundwater-Surface Water Simulation Model (C2VSim)
- Refined for Local Use
 - Land Use
 - Surface Water Diversions
 - Aquifer Parameters
- Calibrated Based on Measured Data
 - Groundwater levels
 - Streamflows



Integrated Hydrologic Model Uses

- Water Budgets
 - Historical
 - Current
 - Projected
- Sustainable Management Criteria
 - Groundwater levels and storage
 - Stream gains and losses
- Projects and Management Actions
 - Level and storage changes
 - Area of benefit

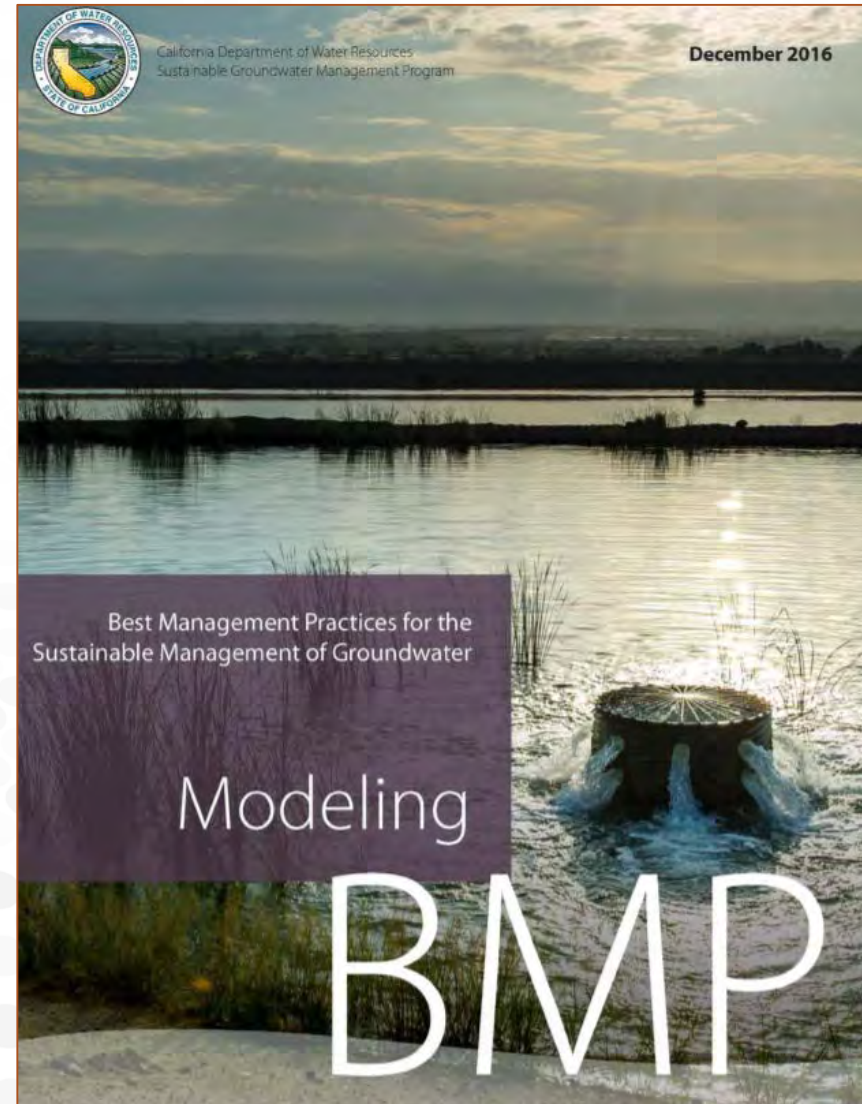


Additional Modeling Information

- Modeling Fundamentals
- Technical Assistance
- Key Definitions
- Related Materials

- Google:

“SGMA Modeling BMP”



Questions?



Byron Clark, PE

Supervising Engineer – Davids Engineering

byron@davidsengineering.com

Groundwater Sustainability Planning Next Steps

Dave Ceppos – Facilitator, Sacramento State University

GSP Iterative Process



GSA Question and Answer Session

Closing Remarks

Mary Fahey
Program Manager
Colusa Groundwater Authority
mfahey@countyofcolusa.org
530-458-0719
<https://colusagroundwater.org/>

Lisa Hunter
Program Manager,
Glenn Groundwater Authority
LHunter@countyofglenn.net
530- 934-6501
<https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>

PUBLIC WORKSHOP ON LOCAL GROUNDWATER CONDITIONS

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) (Agencies) will host a pair of public workshops about local groundwater conditions and areas of concern in portions of Colusa and Glenn Counties. Both workshops will cover the same material. Groundwater in the two counties is regulated by the CGA and GGA respectively as per the Sustainable Groundwater Management Act (SGMA). The entire area managed by the Agencies is titled the “Colusa Subbasin” by the California Department of Water Resources, and the Agencies are required to work together to address groundwater problems in the Subbasin. Groundwater conditions that are not sustainable will be subject to a range of future solutions and if these local Agencies are not successful addressing these challenges, the State of California can take over groundwater management in the Subbasin. The Boards of the Agencies are committed to maintain local control of groundwater and regularly update stakeholders about Subbasin conditions and future Agency decisions.

The workshops will provide a brief overview of SGMA and Groundwater Sustainability Plan requirements. Each will then focus on up-to-date, technical information about groundwater conditions and related topics with a focus on sustainability issues in the Colusa Subbasin. Stakeholders will have time to ask questions to Agency Directors, staff, and the technical consulting team. The public is encouraged to attend to learn more about SGMA and the Agencies’ next steps. The public will also learn about the importance of Stakeholder participation during Groundwater Sustainability Plan development, and how they can be involved in the process.

“We will have some tough decisions to make in the future” said Supervisor Denise Carter, Chair of the CGA. “We are committed to share everything we know about this Subbasin’s groundwater and then develop a program to protect this critical resource”.

Similarly, Leslie Nerli representing Glide Water District on the GGA said “We have to hear from our neighbors. This is a big deal. We’re going to make decisions soon that will affect groundwater management for the next 20 years. We may not like it but we have some tough challenges in this basin and we need folks to come to the meeting and help provide information to make some of these decisions”.

Meeting Dates, Times and Locations:

September 19, 2019
6:00 p.m. – 8:30 p.m.
Colusa VFW Hall
108 East Main Street
Colusa, CA

September 23, 2019
6:00 p.m. – 8:30 p.m.
Glenn Success Square Conference Center
131 East Walker Street,
Orland, CA

AGENDA

COLUSA SUBBASIN GROUNDWATER WORKSHOP

Hosted by the Colusa Groundwater Authority (CGA) and
Glenn Groundwater Authority (GGA)

September 19, 2019
6:00 p.m. – 8:30 p.m.
Colusa VFW Hall
108 East Main Street
Colusa, CA

September 23, 2019
6:00 p.m. – 8:30 p.m.
Glenn Success Square Conference Center
131 East Walker Street
Orland, CA

5:30 Sign In

6:00 Welcome and Agenda Review (*Groundwater Sustainability Agency Representative, Dave Ceppos – Facilitator/Sacramento State*)

6:10 Overview - Sustainable Groundwater Management Act (SGMA) (*Facilitator*)

6:30 SGMA Basin Setting (Ken Loy – West Yost, Byron Clark – Davids Engineering)

- Basin Setting Presentation
- Small Group Discussions – Subbasin Challenges
- Water Budget Update
- Modelling Update

8:00 Groundwater Sustainability Planning – Next Steps (Facilitator)

8:10 GSA Question and Answer Session (GSA Board and Staff)

8:25 Closing (Facilitator)

8:30 Adjourn

LOCAL GROUNDWATER PUBLIC WORKSHOPS

Hosted by the Colusa Groundwater Authority and Glenn Groundwater Authority

LEARN ABOUT

- Local Groundwater Conditions and Concerns
- The Sustainable Groundwater Management Act
- Groundwater Management Decisions Affecting You

<p>September 19, 2019 6:00 p.m. – 8:30 p.m. Colusa VFW Hall 108 East Main Street Colusa, CA</p>	<p>September 23, 2019 6:00 p.m. – 8:30 p.m. Glenn Success Square Conference Center 131 East Walker Street Orland, CA</p>
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For More Information Contact

Mary Fahey
Program Manager
Colusa Groundwater Authority
mfahey@countyofcolusa.org
530-458-0719
<https://colusagroundwater.org/>

OR

Lisa Hunter
Program Manager,
Glenn Groundwater Authority
LHunter@countyofglenn.net
530- 934-6501
<https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>

2D-5. SGMA-Series Public Events

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FOR IMMEDIATE RELEASE

Mary Fahey
Program Manager
Colusa Groundwater Authority
mfahey@countyofcolusa.org
530-458-0719
<https://colusagroundwater.org/>

Lisa Hunter
Program Manager
Glenn Groundwater Authority
LHunter@countyofglenn.net
530-934-6540
<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

Well Monitoring Pilot Program Public Workshop

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) will host an evening online workshop on January 25, 2021. The purpose is to engage and inform growers and landowners who may want to participate in a Well Monitoring Pilot Program (Pilot Program). This voluntary, non-regulatory program will support gather information about groundwater use in the Colusa Subbasin. It will provide participants near-real time access to information on production and groundwater levels at their wells as a way to support their irrigation management. Interested growers and landowners will work with the CGA and GGA to continuously monitor groundwater use and water levels at participating wells. Funding comes from the *Water Quality, Supply, and Infrastructure Improvement Act of 2014* and the *California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68)*, and through an agreement with the California Department of Water Resources

During this workshop, the CGA and GGA will:

- Provide an overview of the Pilot Program
- Describe incentives and responsibilities for interested participants
- Review the application process
- Describe selection criteria for applications received, and
- Answer questions about the Pilot Program

“This is really a win-win for us” said Colusa County Supervisor Denise Carter, Chair of the CGA. “We’re required to have the best information to ensure our Groundwater Sustainability Plan is approved and that we can manage our resources locally and avoid State intervention. Many of our neighbors could also really benefit from new technologies to better manage their irrigation sources. This Program gets us both of these.”

Meeting Date, Time, and Attendance Information:

January 25, 2021

4:00 p.m. – 5:30 p.m.

Join Zoom Meeting

<https://csus.zoom.us/j/82557753022?pwd=aVBOQTArVGc3WkYwL3h1SWFLMk85QT09>

Meeting ID: 825 5775 3022

Passcode: 880156

One tap mobile

+16699006833,,82557753022#

**ANNOUNCING THE COLUSA SUBBASIN SGMA-Series !!
LOCAL SUSTAINABLE GROUNDWATER
ONLINE WORKSHOPS**

Co-Hosted by the Colusa Groundwater Authority and Glenn Groundwater Authority

LEARN and GIVE FEEDBACK about:

- Local Groundwater Conditions
- Approaches to Sustainable Management Criteria
- Groundwater Sustainability Project Ideas

December 9, 2020

5:30 p.m. – 8:30 p.m.

<https://csus.zoom.us/j/82305540067?pwd=aUVoTXU4NXZsNktHc3E3ZE90N3pJZz09>

Meeting ID: 823 0554 0067

Passcode (Required): 105741

Phone In: 1-669-900-6833,,82305540067# (Not Toll Free)

December 10, 2020

1:00 p.m. – 4:00 p.m.

<https://csus.zoom.us/j/89917492421?pwd=bTR4YUxLYzhVMWhFd2I2Ym5vSEgyZz09>

Meeting ID: 899 1749 2421

Passcode (Required): 192684

Phone In: 1-669-900-6833,,89917492421# (Not Toll Free)

For More Information Contact

Mary Fahey
Program Manager
Colusa Groundwater Authority
mfahey@countyofcolusa.org
530-458-0719
<https://colusagroundwater.org/>

OR

Lisa Hunter
Program Manager
Glenn Groundwater Authority
LHunter@countyofglenn.net
530-934-6540
<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

**¡¡ANUNCIANDO LA SUBCUENCA COLUSA SERIE-SGMA!!
AGUA SUBTERRÁNEA LOCAL SOSTENIBLE
TALLERES EN LINEA VIRTUAL**

*Organizado conjuntamente por Autoridad de Agua Subterránea de Colusa
y Autoridad de Agua Subterráneas de Glenn*

APRENDA y DE SU COMENTARIOS sobre:

- Condiciones locales del agua subterránea
- Enfoques de los Criterios de Gestión Sostenible
- Ideas de Proyectos de Sostenibilidad del Agua Subterránea

9 de diciembre de 2020

5:30 p.m. - 8:30 p.m.

<https://csus.zoom.us/j/82305540067?pwd=aUVoTXU4NXZsNktHc3E3ZE90N3pJZz09>

ID de reunión: 823 0554 0067

Contraseña (Necesaria): 105741

Teléfono: 1-669-900-6833,82305540067# (No gratuita)

10 de diciembre 2020

1:00 p.m. - 4:00 p.m.

<https://csus.zoom.us/j/89917492421?pwd=bTR4YUxLYzhVMWhFd2I2Ym5vSEgyZz09>

ID de reunión: 899 1749 2421

Contraseña (Necesaria): 192684

Teléfono: 1-669-900-6833,,89917492421# (No gratuita)

Para mas información contacte:

Mary Fahey
Directora del Programa
Colusa Groundwater Authority
mfahey@countyofcolusa.org
530-458-0719
<https://colusagroundwater.org/>

o

Lisa Hunter
Directora del Programa
Glenn Groundwater Authority
LHunter@countyofglenn.net
530-934-6540
<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>



COLUSA SUBBASIN

Colusa Subbasin SGMA-Series July 2021 Public Meetings

**Co-Hosted by:
Colusa Groundwater Authority and Glenn Groundwater Authority**

When and Where

Virtual Meeting

July 28, 2021

6:00 p.m. – 8:00 p.m.

<https://csus.zoom.us/j/82613933000?pwd=SFNKeW1sL0x6cGJDV2ZlNldiUW1vZz09&from=addon>

Meeting ID: 826 1393 3000; Meeting Passcode: 630147

One tap mobile:

+16699006833,,82613933000#,,,,*630147# US

In-Person Meeting

July 29, 2021

6:00 p.m. – 8:00 p.m.

Sites Project Authority
122 Old Hwy 99W
Maxwell, California

For More Information Contact

Mary Fahey

Program Manager

Colusa Groundwater Authority

mfahey@countyofcolusa.org

530-458-0719

<https://colusagroundwater.org/>

OR

Lisa Hunter

Program Manager

Glenn Groundwater Authority

LHunter@countyofglenn.net

530-934-6540

<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

LEARN and GIVE FEEDBACK

About draft chapters of the Groundwater Sustainability Plan for the Colusa Subbasin, and methods to submit comments to the Groundwater Authorities



COLUSA SUBBASIN

Subcuenca de Colusa, Serie SGMA Reuniones públicas de julio

**Copatrocinado por:
La autoridad de agua subterránea de Colusa y la autoridad de agua
subterránea de Glenn**

Cuándo y dónde

Reunión presencial

28 de julio de 2021

6:00 p. m. – 8:00 p. m.

<https://csus.zoom.us/j/85717001957?pwd= SXhmdjRTd3lGtjIRSnFZa0tid2NTQT09&from=addon>

Identificación de la reunión: 857 1700 1957

Contraseña: 632002

+16699006833,,85717001957#,,,,*632002# US

Reunión virtual

29 de julio de 2021

6:00 p. m. – 8:00 p. m.

Autoridad del proyecto de los sitios

122 Old Hwy 99W

Maxwell, CA 95955

Para obtener más información contacte a

Mary Fahey

Directora del proyecto

Autoridad de agua subterránea
de Colusa

mfahey@countyofcolusa.org

530-458-0719

<https://colusagroundwater.org/>

Lisa Hunter

Directora del proyecto

Autoridad de agua subterránea de
Glenn

LHunter@countyofglenn.net

530-934-6540

[https://www.countyofglenn.net/dept/planning-
community-development-services/water-
resources/glenn-groundwater-authority](https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority)

APRENDA y DEJE SU OPINIÓN

Sobre los capítulos del proyecto del Plan de Sustentabilidad de agua subterránea para la subcuenca de Colusa y los métodos para presentar los comentarios ante las autoridades del agua subterránea



FOR IMMEDIATE RELEASE

Mary Fahey
Program Manager
Colusa Groundwater Authority
mfahey@countyofcolusa.org
530-458-0719
<https://colusagroundwater.org/>

Lisa Hunter
Program Manager
Glenn Groundwater Authority
LHunter@countyofglenn.net
530-934-6540
<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

PUBLIC MEETINGS GROUNDWATER SUSTAINABILITY PLAN DRAFT CHAPTERS

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) (Agencies) will host an in-person meeting on July 28 and a virtual meeting on July 29 to discuss the Sustainable Groundwater Management Act (SGMA). The content of these meeting will be the same. Against the backdrop of the critical drought, these meetings will engage the public about future groundwater management to improve long range local sustainable conditions. Under SGMA, the Agencies are required to prepare a Groundwater Sustainability Plan (GSP) for the Colusa Subbasin. Draft Chapters 5 and 6 of the GSP discuss sustainability conditions and potential projects and actions that might be pursued by the Agencies. These chapters will be released on July 16 and the Agencies seek public feedback on these important topics. Agency representatives will provide an overview of the information in these chapters and will outline methods to provide feedback in the near future. The meetings will also include a review of previously released draft chapters and a discussion of next steps in the GSP completion process.

Glenn County Supervisor Grant Carmon said "As a relatively new member of the Glenn Groundwater Authority Board, I can attest that SGMA is a challenging topic. The decisions we will make soon will affect the lives of many people in Glenn and Colusa Counties and the information we will present at these meetings is critically important for stakeholders to consider. I can't stress enough how important it is that our constituents attend one of these meetings".

"We've been at this process a long time and the planning is nearing its end" said CGA Board Member Darrin Williams. "As a Private Well Owner representing similar water users on the CGA Board, we're getting to crunch time for stakeholders to get up-to-speed on SGMA and how it will affect us in the long run. People really need to come to these meetings."

MEETING INFORMATION

Virtual Meeting

July 28, 2021

6:00 p.m. – 8:00 p.m.

<https://csus.zoom.us/j/82613933000?pwd=SFNKeW1sL0x6cGJDV2ZlNldiUW1vZz09&from=addon>

Meeting ID: 826 1393 3000; Meeting Passcode: 630147

One tap mobile: +16699006833,,82613933000#,,,,*630147# US

In-Person Meeting

July 29, 2021

6:00 p.m. – 8:00 p.m.

Sites Project Authority
122 Old Hwy 99W
Maxwell, CA 95955



COLUSA SUBBASIN

**SGMA-Series Public Meetings
July 28 and 29, 2021
6:00 pm – 8:00 pm**

Virtual Meeting

July 28, 2021

<https://csus.zoom.us/j/82613933000?pwd=SFNKeW1sL0x6cGJDV2ZINldiUW1vZz09&from=addon>

Meeting ID: 826 1393 3000; Meeting Passcode: 630147

One tap mobile:

+16699006833,,82613933000#,,,,*630147# US

In-Person Meeting

July 29, 2021

Sites Project Authority
122 Old Hwy 99W
Maxwell, California

- 6:00 Welcome and Introduction** (Chair, Colusa Groundwater Authority / Glenn Groundwater Authority)
- 6:05 Agenda Review and Logistics** (Dave Ceppos, Facilitator – Sacramento State)
- 6:10 Groundwater Sustainability Plan Overview** – (Grant Davids, Davids Engineering)
- 6:25 Chapter 5: Sustainable Management Criteria** (Ken Loy, West Yost Consultants)
- 6:50 Chapter 6: Projects & Management Actions** (G. Davids)
- 7:10 Questions and Answers / Public Comment** (Facilitator and all participants)
- 7:55 Next Steps / Schedule Review**
- 8:00 Adjourn**



Serie SGMA de la Subcuenca de Colusa

Plan de Sostenibilidad del Agua Subterránea - Revisión Pública del Borrador

Reuniones Públicas de Octubre

Co-patrocinado por:

La Autoridad de Agua Subterránea de Colusa y la Autoridad de Agua
Subterránea de Glenn

Agencias de Sostenibilidad del Agua Subterránea

Dónde y Cuándo

Reunión Virtual

13 de Octubre, 2021

1:00 p.m. - 3:30 p.m.

Únase a la Reunión de Zoom

<https://csus.zoom.us/j/82287631584?pwd=eW1INGF6aThSOUVwQ3M2ekhjQ1Qrdz09&from=addon>

ID de la Reunión: 822 8763 1584 - Código de acceso: 877000

One tap mobile +16699006833,,82287631584#,,,,*877000#

(No es un Número Gratuito)

Reunión Presencial

15 de Octubre, 2021

De 5:30 p.m. a 8:00 p.m.

Autoridad de Sitios del Proyecto

122 Old Hwy 99W

Maxwell, CA 95955

Para más información, póngase en contacto con

Mary Fahey

Directora del Proyecto

Autoridad de Agua Subterránea
de Colusa

mfahey@countyofcolusa.org

530-458-0891

<https://colusagroundwater.org/>

Lisa Hunter

Directora del Proyecto

Autoridad de Agua Subterránea de Glenn

LHunter@countyofglenn.net

530-934-6540

<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

APRENDA y DÉ SU OPINIÓN

Acerca de la Ley de Gestión Sostenible del Agua Subterránea, el Borrador Público del Plan de Sostenibilidad del Agua Subterránea para la Subcuenca de Colusa, y los métodos para presentar comentarios a las Autoridades del Agua Subterránea



Colusa Subbasin SGMA-Series

Groundwater Sustainability Plan-Public Draft Review

October Public Meetings

Co-Hosted by:

**Colusa Groundwater Authority and Glenn Groundwater Authority
Groundwater Sustainability Agencies**

When and Where

Virtual Meeting

October 13, 2021

1:00 pm – 3:30 pm

Join Zoom Meeting

<https://csus.zoom.us/j/82287631584?pwd=eW1INGF6aThSOUVwQ3M2ekhjQ1Qrdz09&from=addon>

Meeting ID: 822 8763 1584 - Passcode: 877000 One tap mobile
+16699006833,,82287631584#,,,,*877000#

(Not a Toll Free number)

In-Person Meeting

October 15, 2021

5:30 p.m. – 8:00 p.m.

Sites Project Authority

122 Old Hwy 99W

Maxwell, CA 95955

For More Information Contact

Mary Fahey

Program Manager

Colusa Groundwater Authority

mfahey@countyofcolusa.org

530-458-0891

<https://colusagroundwater.org/>

OR

Lisa Hunter

Program Manager

Glenn Groundwater Authority

LHunter@countyofglenn.net

530-934-6540

<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

LEARN and GIVE FEEDBACK

About the Sustainable Groundwater Management Act, the Public Draft Groundwater Sustainability Plan for the Colusa Subbasin, and methods to submit comments to the Groundwater Authorities



**Colusa Groundwater Authority and Glenn Groundwater Authority
SGMA-Series Public Meetings
Virtual Meeting**

**October 13, 2021
1:00 pm – 3:30 pm
Join Zoom Meeting**

<https://csus.zoom.us/j/82287631584?pwd=eW1INGF6aThSOUVwQ3M2ekhjQ1Qrdz09&from=addon>

Meeting ID: 822 8763 1584 - Passcode: 877000 One tap mobile
+16699006833,,82287631584#,,,,*877000#
(Not a Toll Free number)

Also Available on Facebook Live

- 1:00*** **Welcome and Introductions** (Chair, Glenn Groundwater Authority)
- 1:05** **Agenda Review and Logistics** (Dave Ceppos, Facilitator – Sacramento State)
- 1:10** **Sustainable Groundwater Management Act Overview** (Facilitator)
- 1:20** **Public Review Draft Groundwater Sustainability Plan (GSP) Overview** – (Grant Davids, Davids Engineering, Inc.)
- History of GSP Development and Public Comment Process
 - GSP Status and Document Structure
 - Public Input Options
- 1:35** **Public Draft GSP Chapter Review and Public Input Opportunities** (Consultant Team)
- Background (Chapters 1,2 and 8) – Executive Summary, Introduction, Plan Area, References, Appendices (Grant Davids)
 - Basin Setting, Monitoring Network, Sustainable Management Criteria (Ken Loy, West Yost Associates)
 - Chapter 3
 - Chapter 4
 - Chapter 5
 - Projects and Management Actions, and Plan Implementation (Grant Davids)
 - Chapter 6
 - Chapter 7
- 2:15** **Public Comment / Question and Answer Session**
- 3:25** **Next Steps / Schedule Review**
- 3:30** **Adjourn**

*All times are approximate



**Colusa Groundwater Authority and Glenn Groundwater Authority
SGMA-Series Public Meetings
In-Person Meeting**

**October 15, 2021
5:30 p.m. – 8:00 p.m.
Sites Project Authority Office
122 Old Hwy 99W
Maxwell, CA 95955**

- 5:30*** **Welcome and Introductions** (Chair, Colusa Groundwater Authority)
- 5:35** **Agenda Review and Logistics** (Dave Ceppos, Facilitator – Sacramento State)
- 5:40** **Sustainable Groundwater Management Act Overview** (Facilitator)
- 5:50** **Public Review Draft Groundwater Sustainability Plan (GSP) Overview** – (Grant Davids, Davids Engineering, Inc.)
- History of GSP Development and Public Comment Process
 - GSP Status and Document Structure
 - Public Input Options
- 6:05** **Public Draft GSP Chapter Review and Public Input Opportunities** (Consultant Team)
- Background (Chapters 1,2 and 8) – Executive Summary, Introduction, Plan Area, References, Appendices (Grant Davids)
 - Basin Setting, Monitoring Network, Sustainable Management Criteria (Ken Loy, West Yost Associates)
 - Chapter 3
 - Chapter 4
 - Chapter 5
 - Projects and Management Actions, and Plan Implementation (Grant Davids)
 - Chapter 6
 - Chapter 7
- 6:45** **Public Comment / Question and Answer Session**
- 7:55** **Next Steps / Schedule Review**
- 8:00** **Adjourn**

*All times are approximate



FOR IMMEDIATE RELEASE

Mary Fahey
Program Manager
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530-458-0891
<https://colusagroundwater.org/>

Lisa Hunter
Program Manager
Glenn Groundwater Authority
LHunter@countyofglenn.net
530-934-6540
<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

PUBLIC MEETINGS GROUNDWATER SUSTAINABILITY PLAN – PUBLIC DRAFT REVIEW

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) (Agencies) will host a virtual meeting on October 13 and an in-person meeting on October 15 to discuss the Agencies' release of the Public Draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin. The content of these meetings will be the same.

Against the backdrop of the last and current critical drought, the California Legislature passed and has required implementation of the Sustainable Groundwater Management Act (SGMA). Under SGMA, the Agencies are required to prepare a GSP for the Colusa Subbasin. The GSP defines what the Agencies will do for the next 20 years to protect the subbasins and ensure groundwater is sustainable. The Agencies have opted to prepare a single, joint GSP for the entire Colusa Subbasin. Prior public events have provided stakeholders the opportunity to learn about and comment on SGMA and the draft GSP chapters. These upcoming meetings will engage the public about the entire draft GSP. Agency representatives will provide an overview of the information in each chapter of the GSP, will outline methods for the public to provide focused input and will provide the public time to ask questions about GSP content.

Colusa County Supervisor and CGA Board Chair Denise Carter said "We're at the culmination of a long process and on the cusp of implementing projects that will better monitor and enhance our groundwater. These meetings and the public comment period are a critical opportunity for stakeholders to give their input to the CGA and GGA before we approve the GSP and submit it to the State. I encourage every affected groundwater user in the subbasin to attend one of these meetings, review the plan and give us your feedback."

Similarly, City of Willows Vice Mayor and GGA Vice Chair Gary Hansen said "As the CGA and GGA Chairpersons noted in their recent Op-Ed, our aquifers provide an essential safety net for our water availability but that safety net is only as good as the tools we create to support it. Our GSP does that and we need public input to confirm if we've done it the right way".

MEETING INFORMATION

Virtual Meeting

October 13, 2021
1:00 pm – 3:30 pm
Join Zoom Meeting

<https://csus.zoom.us/j/82287631584?pwd=eW1lNGF6aThSOUVwQ3M2e>

[khjQ1Qrdz09&from=addon](#)

Meeting ID: 822 8763 1584

Passcode: 877000 One tap mobile

+16699006833,,82287631584#,,,,*877000#

(Not a Toll Free number)

In-Person Meeting

October 15, 2021
5:30 p.m. – 8:00 p.m.

Sites Project Authority Office
122 Old Hwy 99W
Maxwell, CA



Colusa Subbasin Well Monitoring Pilot Program

Participant Information Form

BACKGROUND

The Colusa Subbasin Groundwater Sustainability Agencies (GSAs) are implementing an incentive-based pilot program to work with interested growers and landowners to continuously monitor groundwater use and water levels at participating wells. This voluntary, non-regulatory program is intended to support the GSAs in gathering information regarding groundwater use in the subbasin while providing participants with near-real time access to information on well production and groundwater levels at their wells to support irrigation management.

PROGRAM DESCRIPTION

Activities

Interested parties are invited to submit a brief application describing contact information, location, cropping, and other information related to the proposed groundwater well. Following the receipt of applications, participants will be selected considering certain criteria. Participants agree that the well location and information collected may be made publicly available. Participants also agree that GSA representatives may make site visits to inspect wells, verify installation, and collect manual measurements as needed.

Incentives

The program will cover the purchase cost of a flowmeter or upgrades to an existing flow meter (up to \$2,500), if needed, purchase and installation of a pressure transducer (to monitor groundwater levels), datalogger, solar panel, cellular modem, and a 3-year subscription for web and mobile access to data gathered. Program participation may be extended beyond 3 years, as mutually agreed.

Participants will be responsible for:

- Installation of flow meter per manufacturer specifications
- Installation of access tube for pressure transducer in well casing
- Monthly cellular modem costs (approx. \$15 per month)
- Manual reporting of pumping data, in the event of device failure

Timeline

- **January 2021:** Applications Accepted
- **February – March 2021:** Participants Selected, Agreements Executed, Wells Inspected, and Equipment Installed
- **April 2021 – October 2023:** Wells Monitored



Funding for this project has been provided in full or in part from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 and the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68), and through an agreement with the State Department of Water Resources.

QUESTIONS?

For more information, please contact:

Colusa Groundwater Authority

Mary Fahey, CGA Program Manager
530-458-0719 • mfahey@countyofcolusa.com

Glenn Groundwater Authority

Lisa Hunter, GGA Program Manager
530-934-6540 • lhunter@countyofglenn.net

Colusa Groundwater Authority
Groundwater Sustainability Agency

The Nature Conservancy
Protecting nature. Preserving life.

On-Farm, Groundwater Recharge Workshop



On-Farm, Groundwater Recharge ;` UWF[hW] Program

Working in partnership with Colusa Groundwater Authority and the California Department of Water Resources*, The Nature Conservancy is conducting an on-farm, multi-benefit demonstration program, which provides an opportunity for growers to receive financial compensation for recharging groundwater [` the course of normal farming operations while also providing critical shallow wetland habitat for migratory birds.

Farming for Sustainable Groundwater and the Flyway

I VEW commitments from growers to irrigate eVWV fields Xd&Z i WVe in early fall and late winter 2020-2021. The program compensates growers for field preparation, irrigation and water costs.

Learn More!

**Come to the workshop: Wednesday, February 26, 2020, 10:00 a.m.
Colusa Industrial Properties, 100 Sunrise Blvd., Colusa, CA 95932**

**Presentation: 10:00-10:30 a.m.
Informal Q & A: 10:30-11:30 a.m.**

Questions? Call Julia Barfield at (916) 449-2852



*Funding provided in part through DWR's Sustainable Groundwater Management (SGM) Grant Program: The SGM Grant Program provides funding for sustainable groundwater planning and implementation projects through a competitive grant solicitation process. Projects may include the development and implementation of Groundwater Sustainability Plans (GSPs) and those that provide investments in groundwater recharge with surface water, stormwater, recycled water, the prevention of groundwater contamination.



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2D-6. Subbasin Branding

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Colusa Subbasin Logo Style Guide

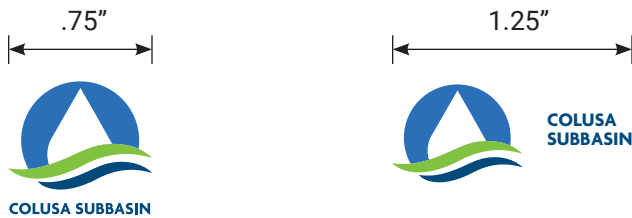
CLEAR ZONE OF LOGO

Maintain a clear zone (height of the "P") around all sides of the logo to ensure visibility of the logo.



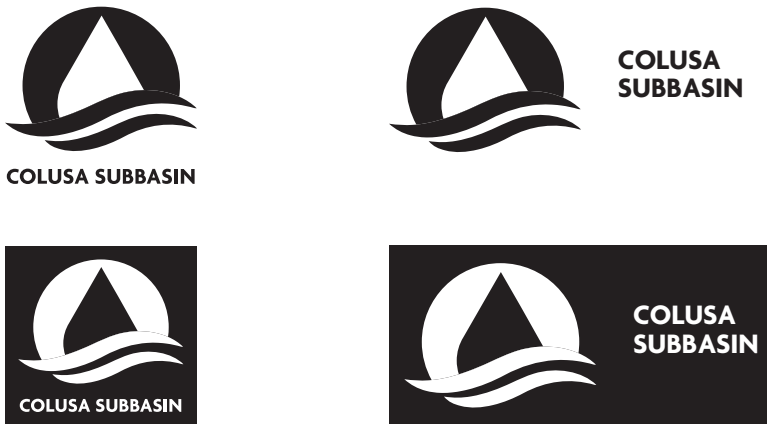
MINIMUM SIZE OF LOGO

Logo should not be smaller than the minimum size to maintain quality and legibility.



ONE COLOR LOGO

One color logos should be used when backgrounds are too colorful and will distract the colored logo.



COLORS



PANTONE 7683 CP
HEX# 3170b7
R49 G112 B183
C83 M55 Y0 K0



PANTONE 376 CP
HEX# 82c341
R130 G195 B65
C54 M0 Y100 K0



PANTONE 7692 CP
HEX# 00497c
R0 G73 B124
C100 M45 Y0 K45

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2D-7. Media Materials

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Article for the Colusa County Farm Bureau “Sodbuster,” February, 2016
Sustainable Groundwater Management Act Update from Colusa County

Mary Fahey, Colusa County Water Resources Coordinator

SGMA Background

The Sustainable Groundwater Management Act (SGMA) is a new law that affects all citizens of Colusa County. It offers beneficial opportunities to achieve sustainable groundwater conditions in a manner that will support our vital agricultural economy, as well as other industry, and domestic and public water uses. The law provides for local management of groundwater resources, with the State as an enforcement “backstop” if locals do not successfully implement planning approaches.

The law dictates that Groundwater Sustainability Agencies (GSAs) must be formed to locally implement the law in all high and medium priority groundwater basins (as defined by the California Statewide Groundwater Elevation Monitoring [CASGEM] program). Public agencies with Land or Water Use Authority are eligible to be a GSA. This includes County and City governments, irrigation and reclamation districts, and public water suppliers. A GSA can be made up of one or more local public agencies, and there can be a single GSA or multiple GSAs per groundwater basin. If multiple GSAs exist, they must coordinate planning efforts. GSA(s) must be in place by June 30, 2017, or the State will enforce management responsibilities on all local groundwater users including fees for SGMA implementation.

GSAs are responsible to develop and implement Groundwater Sustainability Plans (GSPs). If there are multiple GSPs in a basin, they must be coordinated, utilize the same data and methodologies, and a Coordination Agreement is required. GSPs must be developed by Jan. 31, 2022, or, again, the state will take on groundwater management responsibilities for the basin.

In Colusa County, we have one high priority CASGEM subbasin (West Butte) and one medium priority CASGEM subbasin (Colusa), both of which are subject to SGMA. Locally, we must reach sustainability by 2042 – 20 years after the GSPs are in place. Measureable objectives must be included in the GSPs, as well as 5-year milestones.

Local Effort

Locally, we are focusing SGMA planning efforts within Colusa County boundaries, while communicating and coordinating with surrounding counties (Glenn, Yolo, Butte, Tehama). The County anticipates being part of a groundwater management partnership that implements SGMA the right way, ensures that we are regional and statewide leaders, and keeps our citizens ahead of the curve on groundwater management policies. We feel we are moving in a positive direction to implement SGMA, as the County has already taken several positive steps, including: acquired professional facilitation services through funding from the Department of Water Resources (to be provided by Sacramento State, Center for Collaborative Policy [CCP]), initiated a county-wide groundwater assessment, and pursued a recent groundwater planning grant through the Water Bond. The County is committed to share these resources with SGMA partners and affected citizens while working with agencies, landowners and other affected parties on GSA and GSP development, and SGMA implementation.

Over the next several months, CCP will coordinate and facilitate several public meetings, including GSA group meetings to determine local GSA structure. CCP will act as a neutral third party at these meetings to ensure that all of the GSA-eligible agencies have an equal voice at the table. Through these meetings, we hope to have a good idea of what our local governance structure will look like by June, 2016. Other efforts will include informational public meetings to ensure that Colusa County citizens are informed and engaged in local groundwater management planning.

Stay Informed

Colusa County and all of its residents need to work together and commit to manage this valuable resource so that we may continue to live here and farm for many generations to come. Here are a few ways you can stay informed:

- Sign up for the Water Resources Mailing List to receive meeting announcements and current news: email mfahey@countyofcolusa.org; or call: 530.458.7709
- Visit the DWR SGMA Website: www.water.ca.gov/groundwater
- Visit the Water Resources Website: www.countyofcolusa.org, under *Departments > Agricultural Administrative Services*

July 11, 2016

Sustainable Groundwater Management Act (SGMA); Introduction, Part 1 of 4

For immediate release

Contact: Mary Fahey, Colusa County Water Resources Coordinator
mfahey@countyofcolusa.com
530-458-7709

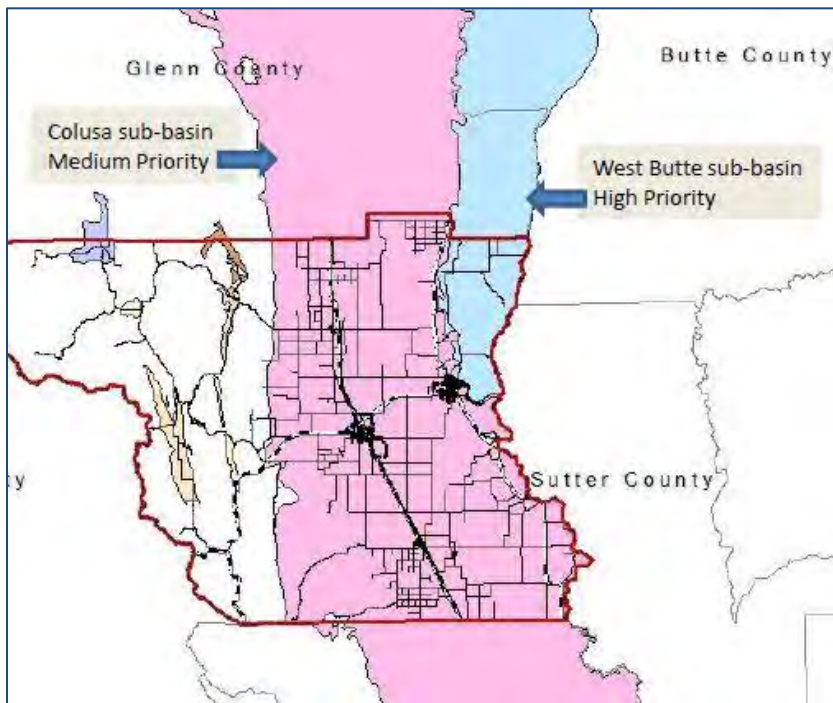
This is the first article in a four-part series to inform groundwater users in Colusa County about new groundwater legislation and the local efforts that are taking place to implement these new laws.

Part 1: The Sustainable Groundwater Management Act (SGMA) – An Overview

What is the Sustainable Groundwater Management Act (SGMA)?

SGMA is comprehensive statewide groundwater legislation that went into effect January 1, 2015. SGMA affects all groundwater users in California. The purpose of the legislation is to achieve sustainable groundwater conditions statewide. Sustainable conditions will support Colusa County's vital agricultural economy, industry, and domestic and public water uses.

SGMA mandates that all high and medium priority groundwater basins in California must be managed sustainably over a 20-year implementation period. In Colusa County we have two groundwater basins subject to SGMA: the Colusa sub-basin and the West Butte sub-basin. Both basins span multiple counties and SGMA implementation efforts must be coordinated basin-wide.



Who Will Be In Charge?

SGMA requires that a local agency, or combination of local agencies, implement SGMA at the local level, with the state as a backstop if necessary. These local agencies are called Groundwater Sustainability Agencies (GSA), and they will be responsible for developing Groundwater Sustainability Plans and ensuring that groundwater is being managed sustainably. GSAs will have many authorities and responsibilities.

According to SGMA, “Any local public agency or combination of local public agencies overlying a groundwater basin may decide to become a groundwater sustainability agency for that basin.” “Local agency” means a local public agency that has water supply, water management or land use responsibilities within a groundwater basin. These agencies include counties, cities, irrigation and reclamation districts, and public utility districts, or similar. “Efforts are underway now in Colusa County to determine a local GSA structure, including which agencies will participate in SGMA implementation,” said Mary Fahey, Colusa County Water Resources Coordinator. Fahey went on to say, “now is the time for folks to become engaged in local SGMA planning efforts. All of our meetings are open to the public.”

What is Sustainability?

Sustainable groundwater management is defined as the management and use of groundwater without causing undesirable results. The California Department of Water Resources has developed Groundwater Sustainability Plan Regulations which define six “Sustainability Indicators” for undesirable results. These conditions must be avoided for a basin to be considered sustainable:

1. Significant and Unreasonable reductions in Groundwater Levels
2. Significant and Unreasonable reductions in Groundwater Storage
3. Significant and Unreasonable Land Subsidence
4. Significant and Unreasonable reductions in Groundwater Quality
5. Significant and Unreasonable reductions in Groundwater-Surface Water Interaction
6. Significant and Unreasonable Seawater Intrusion (we do not have to address this criteria in Colusa County)

Since groundwater conditions vary greatly throughout the state, undesirable results are defined at the basin level (what is undesirable for one area may be acceptable in another area). The bottom line is that the amount of groundwater pumped cannot exceed the amount of water recharged. Cooperation and coordination among agencies and landowners is crucial to successful SGMA implementation, and to maintaining local control over our groundwater resources.

The county would like to remind its citizens that SGMA affects every well owner in California, which is why it is so important for the general public to be informed. Colusa County Supervisor, Denise Carter said, “SGMA planning efforts have been taking place in Colusa County over the past year and a half, and important governance decisions will be made over the next few months. I highly encourage landowners to participate in this process by attending our public meetings and staying informed.”

In the next article, we will discuss Groundwater Sustainability Agencies (GSA) and Groundwater Sustainability Plans (GSP) in more detail, and we will also discuss Colusa County's efforts to include private groundwater pumpers in local SGMA planning efforts.

Here's how you can stay informed:

Upcoming Colusa County SGMA Meetings:

July 15, 2016

GSA Working Group Meeting #5

9:00 a.m. – noon

Colusa County Farm Bureau Board Room; 520 Market Street, Colusa, CA 95932

This is the fifth in a series of facilitated working meetings for GSA-eligible agencies to coordinate local governance planning. There will be a presentation on local groundwater conditions and how they relate to the GSP Regulations and sustainability indicators. This presentation will help local agencies determine how they want to participate in local governance. These meetings are open to the public.

SGMA - How to Stay Informed:

- ✓ Get on the Colusa County Water Resources email notification list for updates and meeting announcements - call or email Water Resources Staff: **530.458.7709**; email: mfahey@countyofcolusa.com
- ✓ Visit the Colusa County Water Resources website where you can find meeting announcements, agendas, meeting summaries and presentations as well as information on SGMA: Countyofcolusa.org
- ✓ Visit us on Facebook – [Colusa County Groundwater](#)
- ✓ Visit DWR's Groundwater Information Center website for extensive information on SGMA: <http://www.water.ca.gov/groundwater/gwinfo/index.cfm>
- ✓ Do you have questions? Call or email Colusa County Water Resources Staff

July 25, 2016

Sustainable Groundwater Management Act (SGMA); Groundwater Sustainability Agencies and Groundwater Sustainability Plans, Part 2 of 4

For immediate release

Contact: Mary Fahey, Colusa County Water Resources Coordinator

mfahey@countyofcolusa.com

530-458-7709

This is the second article in a four-part series to inform groundwater users in Colusa County about new groundwater legislation, the Sustainable Groundwater Management Act (SGMA), and the local efforts that are taking place to implement these new laws.

Part 2: Groundwater Sustainability Agencies (GSAs), Private Pumper Advisory Committee (PPAC), and Groundwater Sustainability Plans (GSPs)

What is a Groundwater Sustainability Agency?

As discussed in a previous article, the Sustainable Groundwater Management Act (SGMA) requires that a local agency, or combination of local agencies, implement the legislation at the local level, with the state as a backstop if necessary. These local agencies are called Groundwater Sustainability Agencies (GSA). Any local public agency with water supply, water management and/or land use responsibilities is eligible to be a GSA. Eligible agencies include counties, cities, water districts, reclamation districts, public utility districts and similar.

A GSA is responsible for enforcing all of the requirements of SGMA. GSAs have certain responsibilities and authorities under SGMA. Responsibilities include developing and implementing a Groundwater Sustainability Plan (GSP), conducting studies, providing extensive outreach, monitoring groundwater conditions, and reporting to the state. Authorities that GSAs may use include adopting regulations, levying fees, requiring metering on wells, and regulating groundwater extractions, among others. These authorities are available to GSAs as tools to utilize, if necessary to achieve sustainability.

In Colusa County, we have 28 agencies that are eligible to be a GSA. SGMA allows the local agencies to decide the best governance structure for their basins. Agencies can be a stand-alone GSA covering just their service area, or part of a multi-agency GSA that covers an entire basin or portion of a basin. There can be one or more GSAs in a groundwater basin, but if there are multiple GSAs, they all must work together and coordinate efforts.

GSAs must be established in all of the high and medium priority groundwater basins in the state by June 30, 2017. The GSA-eligible agencies in Colusa County have participated in five governance planning meetings over the last several months. These meetings have been productive and the group continues to make progress in determining a local SGMA governance structure. These meetings are open to the

public and run by professional facilitators from the Center for Collaborative Policy, Sacramento State University.

SGMA and Private Pumpers; Colusa County Private Pumper Advisory Committee (PPAC)

Under SGMA, private landowners are not eligible to be a GSA. Counties are presumed to be the GSA over the “white areas,” or “private pumper” areas, which are areas of the county that are not covered by another GSA-eligible agency. This can be seen as problematic because landowners in the private pumper areas rely on groundwater as their sole source of irrigation, making them key players in successful SGMA implementation.

Colusa County has given our private pumpers a greater voice in SGMA planning and implementation by forming a Private Pumper Advisory Committee (PPAC). The PPAC is made up of 7 members and 3 alternates. Members of the PPAC are private pumper individuals from throughout the County, chosen by the Colusa County Groundwater Commission.

PPAC responsibilities include two main tasks; they are advisory to the County on the concerns and issues of the private pumpers, and they are also responsible to provide SGMA outreach to their neighbors. The PPAC is also very engaged in Colusa County’s governance planning.

What is a Groundwater Sustainability Plan (GSP)?

SGMA requires one or more Groundwater Sustainability Plans (GSP) be prepared for all high and medium priority groundwater basins in the state. Local GSAs will be responsible for developing GSPs by January 31, 2022 (January 31, 2020 for basins in overdraft). If there are multiple GSPs in a basin, they must be coordinated and must utilize the same data and methodologies.

The GSPs will be the road map to achieving sustainable groundwater management. GSPs must include, among other elements: a description of the plan area, sustainability goals for each of the six Sustainability Indicators (see below), measurable objectives and milestones, a monitoring and data management program, projects and management actions to achieve/maintain sustainability, a water budget detailing projected water supplies and demands, a description of how the Plan will affect other surrounding plans, and many more details. SGMA requires yearly reporting and every-five-year Plan evaluation to ensure that progress is being made.

The Groundwater Sustainability Plan Regulations define six “Sustainability Indicators” for undesirable results. These conditions must be avoided for a basin to be considered sustainable:

- Significant and Unreasonable reductions in Groundwater Levels
- Significant and Unreasonable reductions in Groundwater Storage
- Significant and Unreasonable Land Subsidence
- Significant and Unreasonable reductions in Groundwater Quality
- Significant and Unreasonable reductions in Groundwater-Surface Water Interaction
- Significant and Unreasonable Seawater Intrusion (we do not have to address this criteria in Colusa County)

The California Department of Water Resources (DWR) developed GSP Regulations which were adopted June 1, 2016. You can find these on their website at:

<http://www.water.ca.gov/groundwater/sgm/gsp.cfm>

Upcoming Colusa County SGMA Meetings:

August 26, 2016

Private Pumper Advisory Committee Meeting

10:00-noon

Colusa Industrial Properties Conference Room

100 Sunrise Blvd., Colusa, CA 95932

SGMA - How to Stay Informed:

- ✓ Get on the Colusa County Water Resources email notification list for updates and meeting announcements - call or email Water Resources Staff: 530.458.7709; email: mfahey@countyofcolusa.com
- ✓ Visit the Colusa County Water Resources website where you can find meeting announcements, agendas, meeting summaries and presentations as well as information on SGMA: countyofcolusa.org
- ✓ Visit DWR's Groundwater Information Center website for extensive information on SGMA: <http://www.water.ca.gov/groundwater/gwinfo/index.cfm>
- ✓ Do you have questions? Call or email Colusa County Water Resources Staff

August 1, 2016

Sustainable Groundwater Management Act (SGMA); Implementing SGMA in Colusa County, Part 3 of 4

For immediate release

Contact: Mary Fahey, Colusa County Water Resources Coordinator
mfahey@countyofcolusa.com
530-458-7709

This is the third article in a four-part series to inform groundwater users in Colusa County about new groundwater legislation, called the Sustainable Groundwater Management Act (SGMA), and the local efforts that are taking place to implement these new laws.

Part 3 – Implementing SGMA in Colusa County

Forming Governance

The County of Colusa and other local agencies and stakeholders have been working cooperatively on a proactive approach to SGMA implementation since early 2015. The County wants to be part of a partnership that implements SGMA the right way, ensures that we are regional and statewide leaders, and keeps our citizens ahead of the curve on groundwater management policies.

Formation of local Groundwater Sustainability Agencies (GSAs) is the first major task required by local agencies. GSAs are the governing bodies that will be responsible for developing a Groundwater Sustainability plan (GSP) and implementing SGMA locally. GSA-eligible agencies in Colusa County have formed a Governance Workgroup that has been meeting regularly to determine the best approach to form one or more GSAs in the county. The Governance Workgroup includes various water management districts, and public water suppliers. Groundwater users from the County's Private Pumper Advisory Committee are also participating in these meetings.

GSA-eligible agencies will have to make very important decisions regarding their level of participation in governance. Implementing SGMA will require significant resources from GSAs. Some agencies may not have the necessary resources, yet they don't want to be left out of the process. Other agencies may not want to participate and prefer to leave decision making to other agencies. The Governance Workgroup is discussing options to include different levels of engagement from agencies.

Recognizing the delicate nature of bringing agencies together to form a new political governing body, the Department of Water Resources (DWR) developed a program to provide facilitation support services to counties. Colusa County acquired these services and the Center for Collaborative Policy (CCP) at California State University, Sacramento, has been facilitating the Governance Workgroup meetings. The facilitators act as a neutral third party so that each agency has an equal voice at the table. They also work closely with DWR to ensure that accurate and current information regarding SGMA is shared with the group.

Five facilitated Governance Workgroup meetings have taken place in Colusa County with a sixth meeting being scheduled in August. The group continues to make progress at the county level. Plans for the near future include coordinating with Glenn and Butte Counties who share subbasins with Colusa County. These meetings are open to the public and are noticed at the project website (see web links below).

Next Steps

The Colusa SGMA Governance Workgroup will continue to convene regular planning meetings over the next year. In the next few months, the group will begin to coordinate with Glenn and Butte Counties on basin-wide governance planning. By the end of 2016, and possibly sooner, we anticipate that the Colusa County portions of the Colusa Subbasin and West Butte Subbasin will have a defined governance structure. Once that structure is agreed upon, legal agreements, such as Joint Powers Authority (JPA) Agreements and Coordination Agreements will be drawn up.

Important Dates:

12/30/2016	Governance Structure defined in Colusa County
Jan. 2017-June, 2017	Legal Agreements are developed
6/30/2017	GSA's must be in place for all high and medium priority groundwater basins that are not in critical overdraft
1/31/2022	GSP's must be completed for all high and medium priority groundwater basins that are not in critical overdraft

SGMA - How to Stay Informed:

- ✓ Get on the Colusa County Water Resources email notification list for updates and meeting announcements - call or email Water Resources Staff: 530.458.7709; email: mfahey@countyofcolusa.com
- ✓ Visit the Colusa County Water Resources website where you can find meeting announcements, agendas, meeting summaries and presentations as well as information on SGMA: countyofcolusa.org
- ✓ Visit DWR's Groundwater Information Center website for extensive information on SGMA: <http://www.water.ca.gov/groundwater/gwinfo/index.cfm>
- ✓ Do you have questions? Call or email Colusa County Water Resources Staff

Sustainable Groundwater Management Act (SGMA); Introduction, Part 4 of 4

For immediate release

Contact: Mary Fahey,

Colusa County Water Resources Coordinator

mfahey@countyofcolusa.com

530-458-7709

NOTE: Part 4 of 4 was ultimately not finalized nor published by media outlets in the Colusa Subbasin.

Colusa Groundwater Authority

Groundwater Sustainability Agency

100 Sunrise Blvd., Suite A | Colusa, CA 95932 | 530.458.7709

FOR IMMEDIATE RELEASE

Contact: Mary Fahey, Colusa Groundwater Authority Program Manager

Email: mfahey@countyofcolusa.com

Phone: (530) 458-0719

Date: April 27, 2018

Sustainable Groundwater Management Act (SGMA) Groundwater Sustainability Planning

ATTENTION ALL USERS OF GROUNDWATER WELLS IN COLUSA, AND/OR GLENN COUNTY:

The State of California under the Sustainable Groundwater Management Act (SGMA) law requires all groundwater well users to live under a Groundwater Sustainability Plan developed by Groundwater Sustainability Agencies that must be completed by January 31, 2022. This Plan will require all groundwater well use to be sustainable for all parts of the basins throughout California, and will potentially require meters and records on groundwater use. Also required will be a plan for recharging the aquifers if groundwater falls into an overdraft situation.

Development of the Groundwater Sustainability Plans by Groundwater Sustainability Agencies is just getting underway in Colusa and Glenn Counties. Each groundwater user has the opportunity to help develop these Plans which all users will have to live by. It would behoove all groundwater users to get involved in this process.

Please attend Groundwater Sustainability Agency meetings and other local water management meetings including the Colusa Groundwater Authority, Glenn Groundwater Authority, and Colusa County Groundwater Commission meetings, and add your name to email notification lists. You can find more information and sign up for the email lists on the websites at:

Colusa Groundwater Authority:

www.colusagroundwater.org

Contact the office: 530-458-0719 or email: mfahey@countyofcolusa.com

Glenn Groundwater Authority:

<http://www.countyofglenn.net/dept/ag-commissioner/water-resources/glenn-groundwater-authority>

Contact the office: 530-934-6501 or email: lhunter@countyofglenn.net

Other Groundwater Sustainability Agencies within Colusa and Glenn County include the Corning Sub-basin GSA, Glenn County, Reclamation District 1004, Reclamation District 2106, and Western Canal Water District.

More information can also be found on the Department of Water Resources website at:

<https://www.water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>

July 2018



Farm Service Agency **Electronic News Service**

BULLETIN

GovDelivery

Colusa County FSA Updates

Colusa County FSA Office **Elections for the 2018 County Committee**

100 Sunrise Blvd., Suite D
Colusa, CA 95932

Phone: 530-458-5131 Ext.2

Fax: 844-206-6975

County Executive Director:

Denise Nannen

Farm Loan Manager:

Shaleen Hogan

Program Technicians:

Kristen Correa-Fernandez

Stephanie Cotter

Cynthia Pearson

County Committee:

Mary Anne Azevedo

Craig Felix

Joseph Kalfsbeek

Next County Committee

Meeting: TBD

Elections for USDA's Farm Service Agency's (FSA) Colusa County Committee is underway.

It is important that every eligible producer participate in these elections because FSA county committees are a link between the agricultural community and the USDA. The 2018 election in Colusa County will be conducted for the representative Local Administrative Area (LAA) 3 located west of Interstate 5.

County committee members are a critical component of FSA operations. Committees should be comprised of members who reflect the diversity of producers involved in production agriculture in Colusa County. This means that producers representing underserved groups or communities should be on the committee to speak on behalf of their constituency.

Underserved producers are beginning, women and other minority farmers and ranchers and land owners and/or operators who have limited resources. Other minority groups including Native American and Alaska Natives; persons under the poverty level, and persons that have disabilities are also considered underserved.

County committee election ballots will be mailed to eligible voters on Nov. 5, 2018. The last day to return completed ballots to the Colusa County USDA service center is Dec. 3, 2018.

For more information on eligibility to serve on FSA county committees, visit: www.fsa.usda.gov/elections.

Heading 2 Here Sustainable Groundwater Management Act

(SGMA) Groundwater Sustainability Planning

ATTENTION ALL USERS OF GROUNDWATER WELLS IN COLUSA, AND/OR GLENN COUNTY

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Colusa Groundwater Authority:

www.colusagroundwater.org

Contact the office: 530-458-0719 or email: mfahey@countyofcolusa.com

Glenn Groundwater Authority:

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Contact the office: 530-934-6501 or email: lhunter@countyofglenn.net

Other Groundwater Sustainability Agencies within Colusa and Glenn County include the Corning Sub-basin GSA, Glenn County, Reclamation District 1004, Reclamation District 2106, and Western Canal Water District.

More information can also be found on the Department of Water Resources website at:

<https://www.water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>

Persons with disabilities who require accommodations to attend or participate in this meeting should contact Denise Nannen at 530-458-5131 extension 2 or Federal Relay Service at 1-800-877-8339.

USDA is an equal opportunity provider, employer and lender. To file a complaint of discrimination, write: USDA, Office of the Assistant Secretary for Civil Rights, Office of Adjudication, 1400 Independence Ave., SW, Washington, DC 20250-9410 or call (866) 632-9992 (Toll-free Customer Service), (800) 877-8339 (Local or Federal relay), (866) 377-8642 (Relay voice users).



Questions?
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This email was sent to mfahey@countyofcolusa.com using GovDelivery Communications Cloud on behalf of: USDA Farm Service Agency · 1400 Independence Ave., S.W. · Washington, DC 20250 · 800-439-1420





Colusa Groundwater Authority (CGA)

Groundwater Sustainability Agency

100 Sunrise Blvd., Ste. A, Colusa, CA 95932 | 530-458-0719

www.colusagroundwater.org

SEPTEMBER 4, 2018

SPECIAL BASIN BOUNDARY MODIFICATION (BBM) EDITION NEWSLETTER

The purpose of this newsletter is to inform the public about the basin boundary modification proposals being considered in the Colusa and West Butte groundwater subbasins in Colusa County.

BASIN BOUNDARY MODIFICATIONS (BBM)

The Sustainable Groundwater Management Act (SGMA) established a process for local Groundwater Sustainability Agencies (GSAs) to request that the California Department of Water Resources (DWR) revise the boundaries of Bulletin 118 groundwater basins or subbasins in order to promote sustainable groundwater management. DWR completed the first round of Basin Boundary Modifications (BBMs) under SGMA in 2016. On January 1, 2018, DWR opened the second and current round of BBM modifications. Proposals are due September 28, 2018. Once a BBM request is submitted and deemed complete by DWR, a 30-day public comment period is opened. It is anticipated that DWR will release the initial results of round two BBMs in late 2018, after which another 30-day public comment period will open.

The purpose of this newsletter is to describe two basin boundary modification proposals being considered in the basins that lie in, and adjacent to, Colusa County:

1. The Colusa Groundwater Authority is proposing modifications to the West Butte and Colusa Subbasins.
2. The County of Butte is proposing modifications to the Vina, West Butte and East Butte Subbasins.

These proposed modifications are discussed in detail on the following pages.

More information on BBMs

You can find a map of statewide groundwater basins by accessing DWR's online Basin Boundary Assessment tool: <https://gis.water.ca.gov/app/bbat/>

You can find more information about Basin Boundary Modifications, including a list of proposed modifications and submitted BBM proposals by accessing DWR's online SGMA Portal: <https://sgma.water.ca.gov/basinmod/>

More information on BBMs can be found on DWR's website:

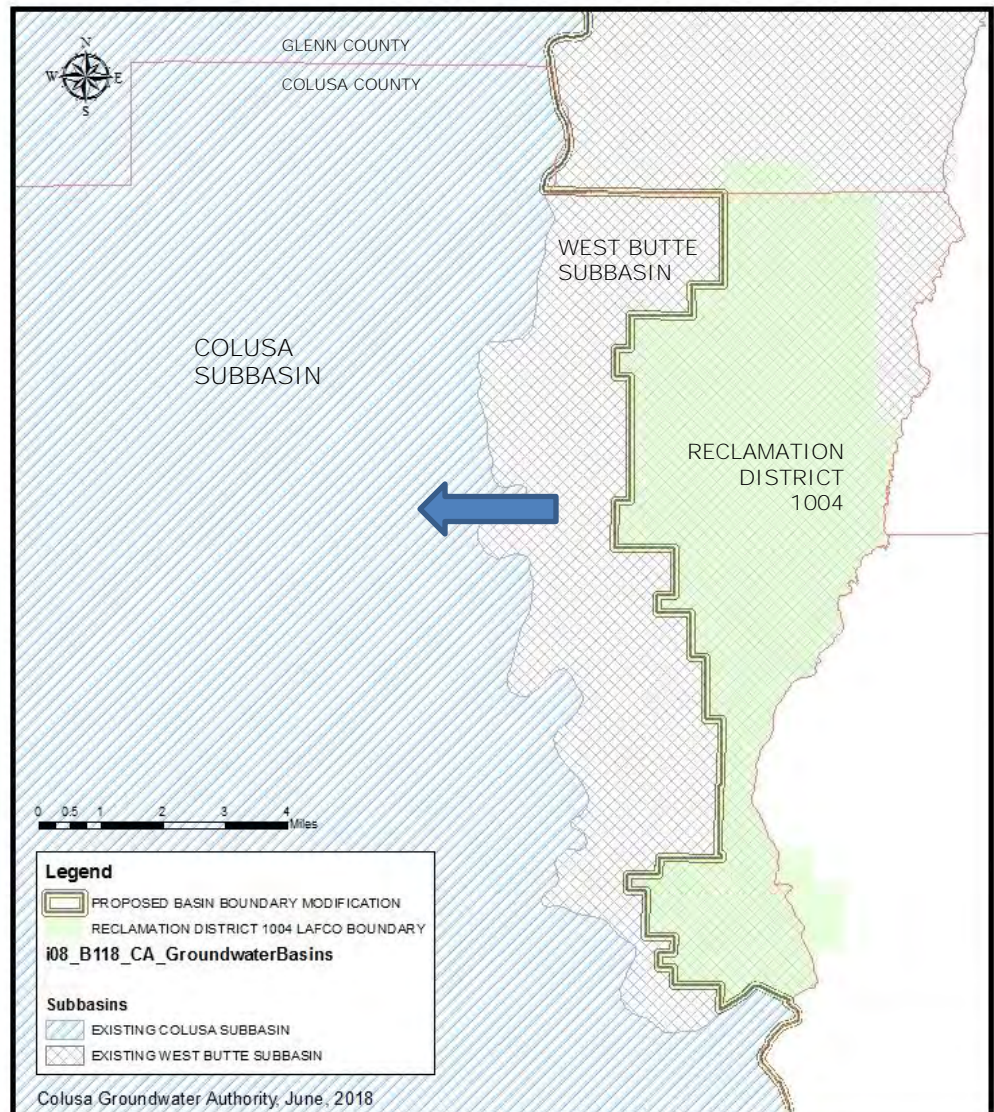
<https://water.ca.gov/Programs/Groundwater-Management/Basin-Boundary-Modifications>

LOCAL BASIN BOUNDARY MODIFICATION (BBM) PROPOSALS

Colusa Groundwater Authority Proposed Basin Boundary Modification (BBM)

In May, 2018, the Colusa Groundwater Authority (CGA) submitted an initial notification to DWR of a [proposed jurisdictional Basin Boundary Modification](#) that would consolidate a portion of the West Butte Subbasin (5-21.58) with the Colusa subbasin (5-21.52). This jurisdictional consolidation would bring the Colusa County portion of the West Butte Subbasin that lies on the west side of the legal service area boundary of Reclamation District 1004 into the Colusa Subbasin.

COLUSA GROUNDWATER AUTHORITY PROPOSED BASIN BOUNDARY MODIFICATION 2018 Colusa Subbasin (5-21.52); West Butte Subbasin (5-21.58)



Data Sources:

1. Groundwater Basins from DWR's final 2016 Bulletin 118 Groundwater Basin Boundaries, downloaded
2. GSA Boundaries from DWR SGMA GSA Map Viewer, downloaded
3. California Counties from DWR SGMA GSA Map Viewer, downloaded
4. Reclamation District 1004 Boundaries from Colusa County LAFCO

A Jurisdictional Basin Boundary Modification

involves the addition, deletion, or relocation of a basin or subbasin boundary that is not a scientific modification but promotes sustainable groundwater management.

A Management

Area is defined in the GSP Regulations as:

"... an area within a basin for which the Plan may identify different minimum thresholds, measureable objectives, monitoring or projects and management actions based on water use sector, water source type, geology, aquifer characteristics, or other factors."
§ 351 (r)

"Each Agency may define one or more management areas within a basin if the Agency has determined that creation of management areas will facilitate implementation of the plan."

The Colusa Groundwater Authority identified that this proposed jurisdictional basin boundary modification would improve the efficiency and cost-effectiveness of sustainable groundwater management within these basins. The current Bulletin 118-defined basin boundaries split the CGA into two subbasins, which will require the CGA to participate in the development and implementation of two separate Groundwater Sustainability Plans. The majority of the CGA's jurisdiction lies in the Colusa Subbasin, where we have achieved very effective sustainable groundwater management planning, in close coordination with the Glenn Groundwater Authority. Consolidation of the CGA's jurisdiction would allow this coordinated effort to continue seamlessly through GSP development.

The CGA intends, through development of the Groundwater Sustainability Plan, to delineate **Management Areas** in the Colusa Subbasin. Management Areas are tools that GSAs can use to define areas in the basin where more localized groundwater management can take place. Management Areas can be defined by unique hydrological conditions, or other parameters. It is anticipated that the area in the West Butte Subbasin proposed to be consolidated into the Colusa Subbasin would become its own Management Area in the Colusa Subbasin GSP.

The proposed Basin Boundary Modification does not alter any landowner's water rights - the CGA does not have that authority. Additionally, the proposed BBM does not have any bearing on groundwater transfers - Colusa County's Groundwater Ordinance remains in place and the GSA cannot override any County Ordinance.

Opportunities to Provide Input

The CGA is interested in receiving feedback regarding the proposed BBM from local agencies and landowners in the Colusa and West Butte Subbasins. In May, 2018, a notification of the proposed BBM was distributed to the CGA's email distribution list and a notification was posted on the [DWR SGMA Portal website](#). The proposed modification has been discussed at several public CGA Board meetings, Colusa County Farm Bureau Board meetings, Northern Sacramento Valley IRWMP meetings, RD 1004 Board meetings, West Butte Subbasin Workgroup meetings, and other various public meetings. Information is also posted on the [CGA website](#).

A presentation and discussion regarding the CGA's proposed Basin Boundary Modification will be held at the next **Colusa Groundwater Authority Board Meeting:**

September 25, 2018

1:00 p.m. – 3:00 p.m.

Colusa Industrial Properties Conference Room

100 Sunrise Blvd., Colusa, CA 95932

Members of the public that wish to learn more are encouraged to attend this meeting. Additionally, comments and questions can be sent to CGA Staff via email to Mary Fahey at mfahey@countyofcolusa.com, mail: **100 Sunrise Blvd., Suite A, Colusa, CA 95932**, or by phone: **530-458-0719**.

Butte County's Proposed Basin Boundary Modification

Butte County is working toward submitting a BBM request to DWR in coordination with the Feather River Water Districts (Western Canal Water District, Richvale Irrigation District, Biggs West Gridley Water district, and Butte Water District) and other GSAs to modify the Vina, West Butte, and East Butte Subbasins. The proposed modification would create a new "Butte Subbasin" by consolidating large portions of the West Butte and East Butte Subbasins. The "Butte Subbasin" would include Butte County GSA areas, RD 2106, RD 1004, the Feather River Districts, the City of Biggs, the City of Gridley and small portions of the Glenn County GSA and Colusa Groundwater Authority. The southern boundary would mostly align with the Butte-Sutter County line. As a result of these modifications, the Vina Subbasin expands to the south to include Butte County GSA areas and Durham Irrigation District.

This modification, combined with the CGA's proposed modification would remove the West Butte Subbasin, and reduce the number of subbasins in Butte County from four down to three. Similar to the CGA's proposed BBM, Butte County's proposal provides greater efficiency and will reduce costs for long-term governance of groundwater in these subbasins and for development and implementation of Groundwater Sustainability Plans.

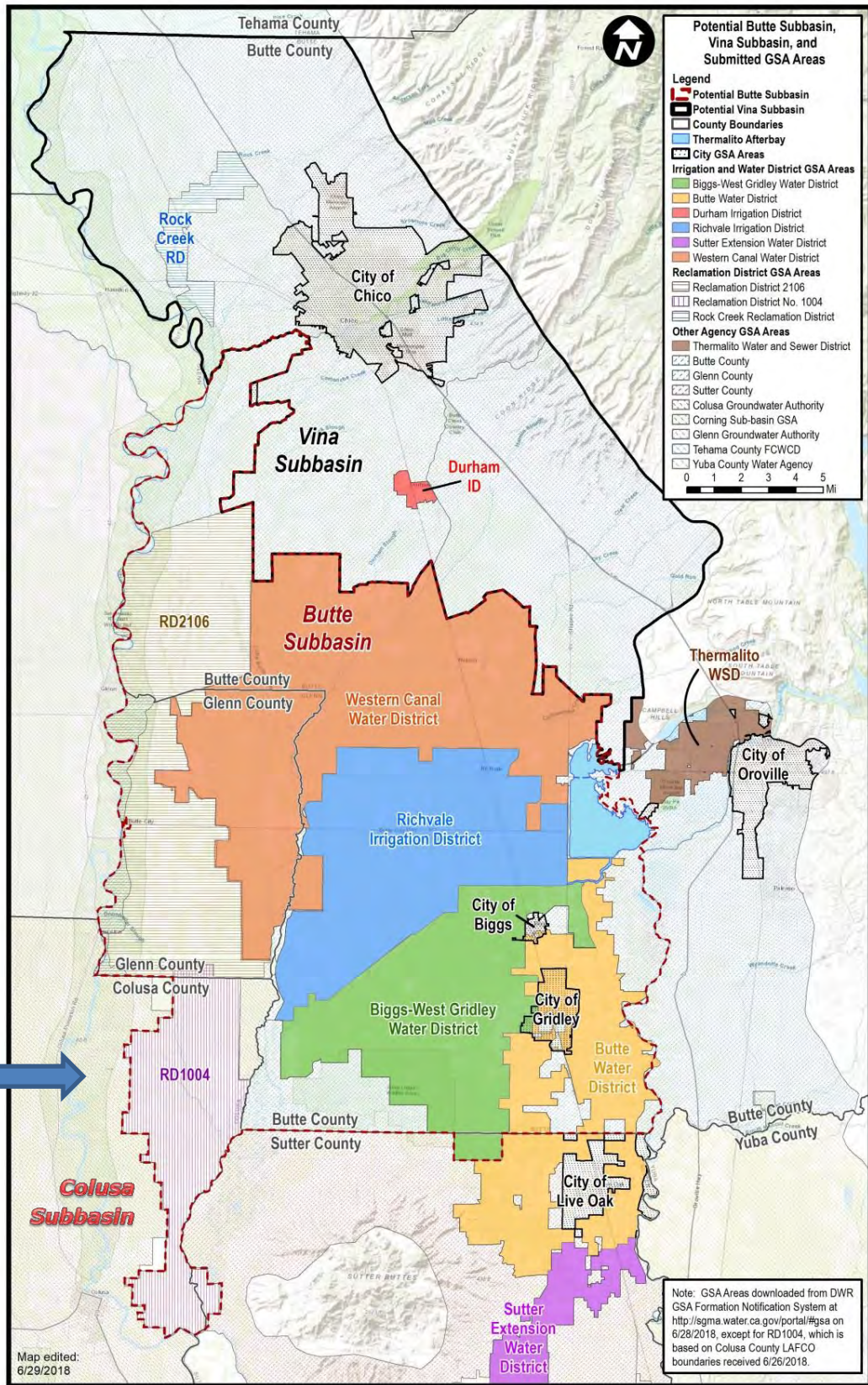
See map of the proposed "Butte Subbasin" on Page 5.

For questions or additional information regarding Butte County's Basin Boundary Modification, please contact Christina Buck at (530) 552-3593 or cbuck@buttecounty.net



Colusa
Groundwater
Authority Staff and
Butte County Staff
communicate
regularly and
share information
related to SGMA
implementation.
There is a high
level of
coordination
between all of the
GSAs in the local
groundwater
basins.

Butte County Proposed Basin Boundary Modification in the West Butte, East Butte and Vina Subbasins



The area outlined in the dashed red line is the proposed Butte Subbasin BBM.

The CGA's proposed BBM aligns with the proposed Butte Subbasin boundary in Colusa County.

DWR's BBM Public Comment Opportunity

Once the Basin Boundary Modification proposals are posted to the California Department of Water Resources' (DWR) online [Basin Boundary Modification Request System](#), public comments can be submitted pursuant to Article 4, Section 343.12 of the Basin Boundary Modification Emergency Regulations (see below). Public comments will be accepted by DWR for 30 days after the BBM request is posted.

§ 343.12. Public Input

(a) Any person may provide information to support or oppose a proposed boundary modification request as follows:

(1) Public input must be submitted by written notice to the California Department of Water Resources within 30 days after the Department posts a notice that the request is complete pursuant to Section 343.10(c), and provide the requesting agency a duplicate copy of that information the same day.

(2) Public input must include the name, address, and electronic mail address of the person or entity providing that input.

(3) Public input must include a clear statement of the basis for the support of or opposition to the proposed boundary modification.

(4) The level of detail provided by public input need not be as comprehensive as that contained in the request, but must rely on similar scientific and technical information as the particular boundary modification request to which it is addressed, and will be evaluated by the Department using the same criteria.

(b) The Department shall post all public input on the Department's Internet Web site.

(c) The Department is not required to respond to comments received through public input, but will consider such comments as part of its evaluation of a boundary modification request.

(d) The Department shall give the requesting agency a reasonable opportunity to respond to public input, including the opportunity to modify the boundary modification request.

Note: Authority cited: Section 10722.2, Water Code. Reference: Section 10722.2, Water Code.

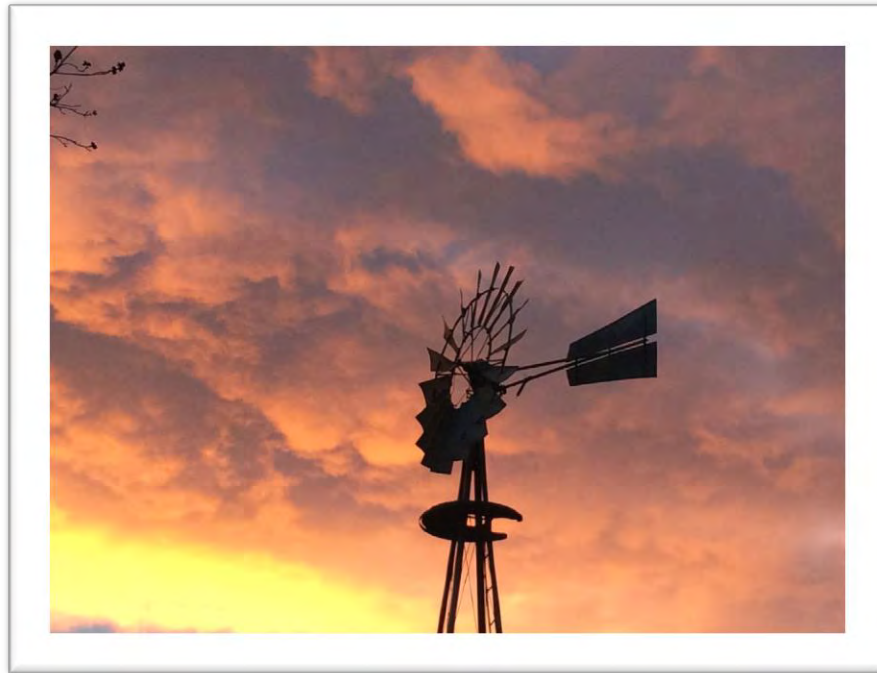
Written comments regarding any Basin Boundary Modification proposal can be submitted to DWR within 30 days of the BBM proposal being posted on DWR's website.

ABOUT THE COLUSA GROUNDWATER AUTHORITY

The Colusa Groundwater Authority (CGA) was formed on June 29, 2017 to comply with the Sustainable Groundwater Management Act (SGMA) regulations and ensure that groundwater is managed locally. The CGA is a Joint Powers Authority and is recognized by DWR as the Groundwater Sustainability Agency (GSA) for the Colusa County portion of the Colusa Subbasin, and portions of the West Butte Subbasin outside of Reclamation District 1004. (see map, page 8).

Members of the Colusa Groundwater Authority Board:

1. County of Colusa
2. City of Colusa
3. City of Williams
4. Glenn Colusa Irrigation District
5. Maxwell Irrigation District and Westside Water District (1 seat)
6. Princeton-Codora-Glenn Irrigation District and Provident Irrigation District (1 seat)
7. Colusa County Water District
8. Reclamation District 108
9. Reclamation District 479
10. Colusa Drain Mutual Water Company
11. Private Pumper Representative from Colusa County Groundwater Commission
12. Private Pumper Representative from Colusa County Groundwater Commission



A **Groundwater Sustainability Agency (GSA)** is responsible for performing the duties and exercising the necessary powers to implement the Sustainable Groundwater Management Act at the local level. A single agency can be a GSA, or a combination of local agencies can form a GSA through a Joint Powers Agreement or other legal Agreement. SGMA law required GSAs to be in place by June 30, 2017.

Any "unmanaged areas" (areas not covered by a GSA) in a groundwater basin that is subject to SGMA will come under management of the State Water Resources Control Board.

The Colusa Groundwater Authority was formed to ensure that the groundwater resources in Colusa County are managed locally and State intervention is avoided.

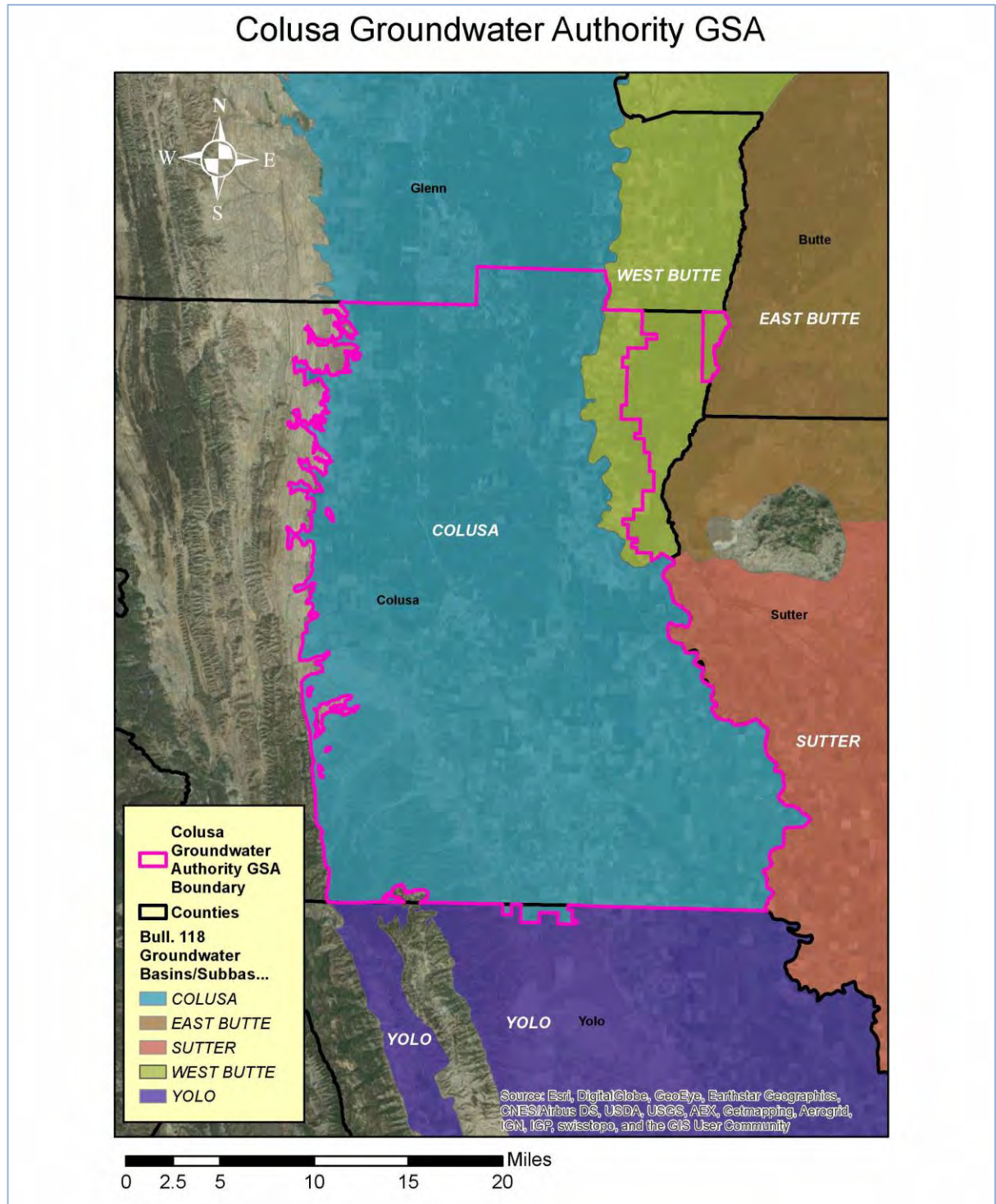
Colusa Groundwater Authority Jurisdiction

The Colusa Groundwater Authority covers the areas outlined in pink on this map. The Blue area is the Colusa Subbasin and the green area is the West Butte Subbasin. A map of statewide GSAs can be found on the [DWR GSA Map Viewer](#).

Get to know the Colusa Groundwater Authority, and keep up with the latest SGMA news.

Visit the website:

Colusagroundwater.org



SGMA – STAY INFORMED:

STAY INFORMED!

All beneficial uses and users of groundwater (Water Code Section 10723.2) must be taken into consideration during SGMA planning and implementation. There will continue to be ample opportunities for public engagement during GSP development. If you are not on the CGA's email list, please contact [Water Resources staff](#) to ensure you receive meeting notices and other relevant information, and please share this information with your friends and neighbors.

Between now and January 31, 2022, the CGA will be developing the Groundwater Sustainability Plan for the Colusa Subbasin. **If you have not been involved in local SGMA planning, now is the time!**

There are many opportunities to be engaged and informed about local groundwater management planning:

- ✓ Get on the CGA email notification list for updates and meeting announcements - call or email Staff (see contact info below), or sign up on the website: <https://colusagroundwater.org/contact-us/>
- ✓ Visit the CGA Website regularly: <http://colusagroundwater.org>
- ✓ Attend Colusa Groundwater Authority Board meetings
- ✓ Visit DWR's Groundwater Information Center website: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>
- ✓ Visit the DWR SGMA Portal: <https://sgma.water.ca.gov/portal/#intro>

The next meeting of the CGA Board is **September 25, 2018** at 1:00 p.m. at Colusa Industrial Properties. The full Board meeting schedule can be found on the CGA website: <https://colusagroundwater.org/meetings/>

All CGA Board meetings are open to the public.

Staff contact:

Mary Fahey, CGA Program Manager
100 Sunrise Boulevard, Suite A, Colusa, CA 95932
email: mfahey@countyofcolusa.org
Phone: 530.458.0719



Colusa Groundwater Authority, Article for October, 2018 Family Water Alliance “Green Ribbon” Newsletter

Submitted by Mary Fahey, Program Manager, Colusa Groundwater Authority / 530-458-7709

The Sustainable Groundwater Management Act – Time for Landowners to Get Involved!

With a myriad of water-related issues dominating the headlines these days, it’s difficult for landowners to know where to focus and when to get involved. While all of the issues are important, now is definitely the time to get up to speed and involved with local Sustainable Groundwater Management Act (SGMA) efforts.

As the Colusa Groundwater Authority (CGA) moves into its second year of operations, the Board is working on important projects that all landowners in Colusa County should be aware of, including development of the Groundwater Sustainability Plans that will dictate the future of groundwater management in the local basins. Development of these plans is just getting underway in the basins in Colusa County, and surrounding counties, and Stakeholder input is critical to development of these plans. The Plans must be completed by January 31, 2022.

The Colusa Groundwater Authority is also working on a Long-term Funding plan to maintain its day to day operations. The Agencies that make up the Board of the CGA agreed to fund the effort for the first two years, through June 30, 2019. The CGA is beginning a Proposition 218 Assessment process for long-term funding. Similar processes are taking place in other basins throughout the State, including the Glenn County portion of the Colusa Subbasin.

And finally, the CGA has submitted a request to the California Department of Water Resources (DWR) for a Basin Boundary Modification. This modification would bring the Colusa County portion of the West Butte Subbasin that lies on the west side of the legal service area of Reclamation District 1004 into the Colusa Subbasin. This proposed modification will create greater efficiency and will reduce costs for long-term governance of groundwater in these subbasins, and for development and implementation of Groundwater Sustainability Plans. The proposal is posted on DWR’s online Basin Boundary Modification Request System: <https://sgma.water.ca.gov/basinmod/init/preview/162>. Public comments can be submitted on the DWR online Portal: <https://sgma.water.ca.gov/basinmod/modrequest/comments/243> pursuant to Article 4, Section 343.12 of the Basin Boundary Modification Emergency Regulations. The Deadline for public comment is 11:59 p.m. October 28, 2018.

All of this information and more can be found on the **Colusa Groundwater Authority website:** <http://colusagroundwater.org>

You can also sign up on the CGA email notification list for updates and meeting announcements:

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- Or call or email Staff: Mary Fahey, Program Manager, 530-458-0719; email: mfahey@countyofcolusa.com

If you have not been involved in local SGMA planning, now is the time!

Colusa Groundwater Authority, Article for October, 2018 Colusa County Farm Bureau “Sodbuster” Newsletter

Submitted by Mary Fahey, Program Manager, Colusa Groundwater Authority / 530-458-7709

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With a myriad of water-related issues dominating the headlines these days, it’s difficult for landowners to know where to focus and when to get involved. While all of these issues are important, now is definitely the time to get up to speed and involved with local Sustainable Groundwater Management Act (SGMA) efforts.

As the Colusa Groundwater Authority (CGA) moves into its second year of operations, the Board is working on important projects that all landowners in Colusa County should be aware of, including development of the Groundwater Sustainability Plans that will dictate the future of groundwater management in our local basins. In the Northern Sacramento Valley basins, Groundwater Sustainability Plans must be completed by January 31, 2022. Development of these plans is just getting underway in the basins in Colusa County, and surrounding counties, and Stakeholder input is critical to development of these plans.

The Colusa Groundwater Authority is also working on a Long-term Funding plan to maintain its day to day operations. The Agencies that make up the Board of the CGA agreed to fund the effort for the first two years, through June 30, 2019. The CGA is beginning a Proposition 218 Assessment process for long-term funding. Similar processes are taking place in other basins throughout the State, including the Glenn County portion of the Colusa Subbasin.

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- Or call or email Staff: Mary Fahey, Program Manager, 530-458-0719; email: mfahey@countyofcolusa.com

If you have not been involved in local SGMA planning, now is the time!

Colusa Farm Bureau

Sodbuster December 2020

Sustainable Groundwater Management Act Update in the Colusa Subbasin

The big news in local groundwater management right now is Groundwater Sustainability Plan (GSP) development to comply with the Sustainable Groundwater Management Act (SGMA). Local GSPs are due January 31, 2022 and groundwater agencies throughout the region are working hard to achieve that milestone.

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) are jointly launching a focused “*SGMA –Series*” of GSP-related events, starting with two online public meetings in December. The meetings will be identical and will cover the status of the GSP for the Colusa Subbasin. Stakeholders will learn about work completed, work in progress, and next steps as the agencies continue their mandate to regulate groundwater use through implementation of SGMA. The meetings will be an opportunity for stakeholders to give the CGA and GGA Boards and their consultant team critically important feedback on how groundwater should be managed in the future. Stakeholders will also learn about future *SGMA-Series* opportunities and how to be involved in GSP development over the next year.

The CGA and GGA Boards hope you can participate in one of these public meetings in December:

- **Wednesday, December 9 at 5:30 p.m.**
- **Thursday, December 10 at 1:00 p.m.**

Over the next several months, CGA and GGA will release the Colusa Subbasin GSP in draft sections for public review and comment. The entire Public Draft GSP will be released for a final round of public comments in August, 2021. The *SGMA-Series* meetings will occur at strategic intervals between now and August to provide information on GSP development and to solicit Stakeholder input. Additionally, both the CGA and GGA Boards of Directors and Technical Advisory Committees hold monthly meetings that are open to the public and everyone is welcome to attend.

For more information about local SGMA planning, please visit:

- Colusa Groundwater Authority website: <https://colusagroundwater.org>
- Glenn Groundwater Authority website: <https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>



Drought has returned. Severe. Unrelenting. Undiscriminating.

As we face a long, frustrating summer and fall in the Sacramento Valley, everyone...farmer, homeowner, rancher, environmental advocate, businessperson, water deliverer, etc. will be profoundly affected by our current and pending drought conditions. In the immediate, there are no easy answers. Scarce resources inevitably create conflict. However, such conditions can also create uncommon partnerships and with the right tools, powerful solutions. In 2014, the State Legislature passed the Sustainable Groundwater Management Act (SGMA); a sweeping law that foundationally changes how groundwater is and will be managed. Our part of California is unique and we need groundwater management methods that will work for us and for our communities. We have answered the call and the requirements of SGMA and are finalizing a locally driven, locally focused Groundwater Sustainability Plan for the Colusa Groundwater Subbasin (covering most of Colusa and Glenn Counties).

SGMA is hard. It is cumbersome, expensive, complicated, intrusive and far reaching. Few people, regardless of where they sit on the ideological spectrum, like it when legislation is created that dramatically affects them. As water users in this region we are no exception. But it is undeniable that SGMA was written for just this circumstance. It forces us to build local solutions and partnerships to achieve and maintain sustainable groundwater conditions for the future, particularly during droughts. In an era of water uncertainty, it is an uncomfortable reality that being forced to be more resilient to drought may not be what we wanted; but it is what we need.

Think about why we live in this region. Why our relatives settled here and put down roots. Why we stayed or came, raising families, building homes, businesses and futures. Whether it is the productivity of the soils, the charm of our communities, the beauty of our natural resources, we hope to pass these attributes on to the next generations. Then think about this region without a resilient water supply.

We need to think about "sustainability" not as a title forced on us from people in Sacramento but instead, as a way of life that protects what we hold dear. Like it or not, SGMA helps or will help us do what we have not been able to do on our own across the State. It created new, regulating groundwater agencies, vested with powerful authorities to guarantee that groundwater is protected. It gives us the ability to manage these resources locally and to bring a diverse collection of affected parties together to make this happen. In our case, SGMA led us to create the Glenn Groundwater Authority (GGA) and Colusa Groundwater Authority (CGA). Multi-organization, multi-person public agencies represented by your neighbors, colleagues and friends. We shop in the same stores, send our kids to the same schools, and love the same communities and natural resources that you do. And we are dedicated to building the necessary solutions that in time, can help protect us from drought.

We have a robust surface water supply in the Sacramento Valley. One that has historically supported water needs and the groundwater beneath us. But we know all too well that some of these sources are being challenged and have proved legally uncertain and beyond our control to protect. Within the groundwater aquifers lies a safety net. That safety net however, is only as good as the tools we create to support it. In the case of SGMA, this comes in the form of the aforementioned Groundwater Sustainability Plan that the GGA and CGA are jointly preparing. The Plan defines our current

groundwater situation, and describes what we will do in the future to better understand and protect these resources. The Plan describes the conditions we are obligated to address. Important factors like preserving and enhancing groundwater levels, minimizing potentially damaging subsidence, avoiding adverse water quality impacts and protecting natural resources that depend on the connection between groundwater and surface water. Once the Plan is adopted and submitted to the State, the GSAs will then have the authority to implement the actions in the Plan.

By State law, we are nearing the end of the period to prepare the Plan. In the coming weeks and months, the CGA and GGA will host and encourage you to attend, public meetings to discuss the draft Plan and provide written comments to us. The CGA and GGA will consider comments received and then finalize and adopt the Plan by January 2022. The projects and management actions described in the Plan won't be easy to achieve. They may require new investments, an unfailing commitment to collaboration, uncomfortable options we haven't wanted to discuss in the past, and potential sacrifice in the future. They will reflect a continued commitment to work collaboratively for the common good of our region, rather than as individual water users and organizations competing for limited resources. The Plan will not be ready in time to help us through the current drought. We won't even be able to begin to implement aspects of the Plan until February 2022 at the earliest. But we will learn from the current and recent water crises and that will inform our Plan and actions. Over time, SGMA will live up to its promise, warts and all, to support resilience as best we can locally and to ensure that we work together to achieve successful outcomes.

In closing, on July 28 and 29 from 6 – 8 p.m, the CGA and GGA will hold the next round of public meetings in our "SGMA-Series".

The meeting on the 28th will be held virtually. See the following websites for more information:

- <https://colusagroundwater.org>
- <https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority/gga>

The meeting on the 29th will be held at:

- Sites Project Authority Office - 122 Old Highway 99W, Maxwell, CA 95955.

These meetings will focus on the sustainability conditions we have been studying for the Plan, and the potential projects and management actions that we refer to above. We encourage you to attend these meetings and to visit our websites and related social media to learn more about SGMA and the GGA and CGA. We need you to participate in upcoming meetings, to embrace the need for these collaborative changes and to work with us to forge a new resilient groundwater future in the Sacramento Valley.

On behalf of the Colusa Groundwater Authority Board and Glenn Groundwater Authority Board

Signed,

Ms. Denise Carter
Chair
Colusa Groundwater Authority

Mr. John Amaro
Chair
Glenn Groundwater Authority

historically, because of the lack of beds in Colusa County,

Colusa County has agreed to purchase the former nursing

once the purchase closes and the repairs are completed, Tyler said.

Groundwater Sustainability Plan meetings scheduled

PIONEER REVIEW
news@colusacountynews.com

The Colusa Groundwater Authority and Glenn Groundwater Authority will host two meetings this month to discuss the recently-released Draft Groundwater Sustainability Plan for the Colusa Subbasin.

The content of the two meetings will be the same, although one will be held "virtually" and the other, in person, officials said.

The virtual meeting will be held

from 1-3:30 PM on Wednesday, Oct. 13, via Zoom. The in-person meeting will be held from 5:30-8 PM at the Sites Project Authority Office, 122 Old Highway 99W, in Maxwell.

Against the backdrop of the last drought, the California Legislature passed the Sustainable Groundwater Management Act, which requires local groundwater agencies to define and implement measures that ensure groundwater is sustainable for the next 20 years, officials said.

Glenn and Colusa authorities have worked together to prepare a single joint plan for the Colusa Subbasin.

CGA Chair Denise Carter said the agency representative will provide an overview of each chapter of the plan at the two meetings, allowing members of the public to ask questions and

provide focused input about the sustainability methods that will be used.

"We're at the culmination of a long process and on the cusp of implementing projects that will better monitor and enhance our groundwater," Carter said in a joint press release.

GGA Vice-Chair Gary Hansen said the Colusa Subbasin aquifers provide an essential safety net for water availability, but that safety net is only as good as the tools that can be created to support it.

"Our GSP does that and we need public input to confirm if we've done it the right way," Hansen said.

The draft Groundwater Sustainability Plan and online meeting instructions can be viewed on the CGA's website at colusagroundwater.org. ■

Local students receive PG&E scholarships



David Wilson/Sun-Herald
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Turn to JUVENILE / 5

Sustainability plan for Colusa Subbasin nearly complete

Community input sought to finalize GSP

By Lynzie Lowe

llowe@appealdemocrat.com

Tri-County News

In one of the final steps to complete a Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, the Colusa Groundwater Authority (CGA) and the Glenn Groundwater Authority (GGA) hosted a virtual public meeting on Wednesday to review the plan and gather community input.

The GSP is a roadmap for how groundwater will be managed over the next two decades, according to meeting facilitator Dave Ceppos, and is being prepared by the CGA and GGA in response

Turn to SUBBASIN / 8

s whose influence and presence in anniversary Diamond as establishment of students excellent and are illegal. Dependents are communities affected fields

of study at colleges and universities in California and throughout the country.

Recipients of this year's scholarship from Colusa County include Ashlyn Wooldridge of Arbuckle, Kathryn Williams of Arbuckle and Laynee Haywood of Maxwell.

Recipients from Glenn County include Madalyn Nissen of Willows and Matthew Freitas of Glenn.

Since 2011, the Blue Diamond Foundation has awarded nearly 150 scholarships to help students in our local communities achieve their dreams of a college education.

COMES NEW MEMBERS



Courtesy photo/Rotary Club

service group, such as Tiffany Dietz, superintendent of the receiving a certificate of membership from Rotary Club Vice social luncheon. For more information on the Rotary Club

ing Scenario at Richfield elementary School (when students are not in attendance) during which all first responders in the county attend.

"It is a sad fact that such training has to take place," Fears said. "But in today's atmosphere, it is essential to protecting our children."



impacts municipal, tribal, agricultural, industrial and environmental uses," said Ceppos.

According to Ceppos, avoiding adverse impacts is based on the evaluation of six sustainability indicators, including surface water depletion, reduction of storage, regraded quality, land subsidence and lowering groundwater levels. The final indicator, seawater intrusion, was determined to not be applicable in the Colusa Subbasin.

The development of the Colusa Subbasin GSP, like many others throughout California, has coincided with one of the most severe and extensive droughts that has ever gripped the western United States, with drought conditions throughout most of California, including the area in and around the Colusa Subbasin, classified as "exceptional" - the most extreme classification, according to the U.S. Drought Monitor.

During the meeting John Amaro, chairperson of the GGA, said at this point in time it is likely too late to make any major and immediate changes to the way aquifers are managed within the Colusa Subbasin and the entire Sacramento Valley region to mitigate the effects of the current drought.

"We will have to work collaboratively together through this current water emergency and then prepare for the next drought with the lessons we learned and the tools we've built as a result of our new, almost completed, groundwater sustainability plan," said Amaro.

According to the draft, technical work and related public involvement processes supporting development of the Colusa Subbasin GSP began in earnest in May 2020 and is now nearing completion.

"Development of the GSP has utilized the best available science and tools, with the most sufficient and credible information and data available for the decisions being made and the time frame available for making those decisions," read the draft. "Current and historical groundwater conditions and water budgets have been evaluated for the subbasin in alignment with the GSP regulations. The technical work is based primarily on historical records of surface water and groundwater conditions from 1966 through 2015, which includes the prior 2014-2015 drought, but not the current 2020-2021 drought."

The Colusa Subbasin has been designated by the Department of Water Resources as a high priority subbasin, which means Colusa Subbasin GSAs must develop, adopt, and submit a GSP covering the entire subbasin to DWR by January 31, 2022.

Another public meeting to discuss the Public Draft Colusa Subbasin Groundwater Sustainability Plan will be held in person today (Friday) at the Sites Project Authority office, 122 Old Highway 99W, Maxwell, from 5:30-8 p.m.

"Your participation today and over the past few years has been incredibly important to guide our approach as we prepare the GSP in a way that reflects your needs," said Amaro. "Of many things we are proud of, one and most particular is the unprecedented opportunities we have had for you to participate in this process."

According to Amaro, the GCA and the GGA have collectively sponsored, publicized and conducted 236 separate meetings in various formats since Jan. 2016 to give the community the opportunity to learn about this "challenging law and the steps to comply with it."

The Draft GSP is available for public review and comment through Oct. 31.

Those located in the Glenn Groundwater Authority can get more information by contacting Lisa Hunter, program manager for the Glenn Groundwater Authority, by emailing lhunter@countyofofglenn.

Communication & Engagement Plan

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Colusa Subbasin

Final Stakeholder Communication and Engagement Plan

Version: August 2019

Prepared for:

**Colusa Groundwater Authority
Glenn Groundwater Authority**

Prepared by:

**California State University Sacramento
College of Continuing Education
Consensus and Collaboration Program**

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Colusa Subbasin

Final Stakeholder Communication and Engagement Plan

Version: August 2019

Purpose

The purpose of this Stakeholder Communication and Engagement Plan is to assist Colusa Subbasin Groundwater Sustainability Agencies (GSAs) (respectively the Colusa Groundwater Authority [CGA] and the Glenn Groundwater Authority [GGA]) in their efforts to develop general and strategic communications to engage stakeholders in groundwater management activities.

Overview and Background

California's Sustainable Groundwater Management Act (SGMA) of 2014 requires broad and diverse stakeholder involvement in GSA activities, and the development and implementation of Groundwater Sustainability Plans (GSPs) for groundwater basins around the state, including the Colusa Subbasin. The intent of SGMA is to ensure successful, sustainable management of groundwater resources at the local level. Success will require cooperation by all stakeholders, and cooperation is far more likely if stakeholders have consistent messaging of valid information and are provided with opportunities to help shape the path forward. Further, to ensure trust and cooperation from stakeholders, all activities of the GSA's should be conducted in as transparent a manner as possible. The California Department of Water Resources (DWR) has designated the Colusa Subbasin as a high priority basin (2019), and subject to SGMA.

To that end, the intention of the Plan is to:

- Provide the GSAs, community leaders, and other beneficial users a roadmap to follow to ensure consistent messaging of SGMA requirements and related Colusa Subbasin information and data.
- Provide a roadmap for the GSAs and community leaders to ensure stakeholders have meaningful input into GSA decision-making, including GSP development.
- Ensure the roadmap demonstrates a process that is widely seen by stakeholders as fair, transparent and respectful to the range of interested parties.
- Provide a transparent and easily-accessible process for stakeholders to contribute to the development of a GSP that can effectively address groundwater management within the Colusa Subbasin.
- Ensure that information reaches all beneficial users who have an interest in the Subbasin.

Communication Plan Goals

The Plan supports the following goals:

1. Educate stakeholders about:

- A. SGMA and its requirements,
 - B. The CGA and GGA,
 - C. Groundwater resources in the Colusa Subbasin and the benefits of sustainable groundwater management
 - D. Potential changes to current groundwater management under SGMA
 - E. How stakeholders will be represented in their GSAs, and
 - F. How stakeholders can participate in SGMA planning and decision-making efforts.
2. Communicate important SGMA deadlines and dates.
 3. Coordinate outreach and engagement activities between the GSAs to ensure efficiency and to support stakeholders in GSP development.
 4. Support individual GSA outreach and engagement activities.
 5. Articulate strategies and channels for obtaining ongoing stakeholder input and feedback to inform GSP design and development.
 6. Provide a roadmap to the GSAs on ways to effectively and efficiently reach all beneficial users.
 7. Encourage stakeholder engagement (e.g., by establishing dedicated SGMA outreach strategies and channels, communicating information about meeting and workshop dates and content, and highlighting all opportunities for stakeholders to provide input in the GSA decision-making process and GSP planning process).

Major Audiences

A Colusa Subbasin stakeholder is a “beneficial user” as described by SGMA. Under the requirements of SGMA, all beneficial uses and users of groundwater must be considered in the development of GSPs, and GSAs must encourage the active involvement of diverse social, cultural, and economic elements of the population. Beneficial users, therefore, are any stakeholders who have an interest in groundwater use and management in the Colusa Subbasin. Their interest may be related to GSA activities, GSP development and implementation, and/or water access and management in general.

To assist in determining who the specific SGMA stakeholders and beneficial users are, DWR has created a Stakeholder Engagement Chart for GSP development in their 2017 *GSP Stakeholder Communication and Engagement Guidance Document*. The following table (Table 1) is based on the DWR chart, modified to fit the circumstances and stakeholders of the Colusa Subbasin. It will continue to be updated during the GSP planning process.

Table 1. Stakeholder Engagement Chart for GSP Development

Category of Interest	Examples of Stakeholder Groups	Engagement Purpose
General Public	<ul style="list-style-type: none"> • Citizens groups • Community leaders • Interested individuals • Universities/Academia 	Inform to improve public awareness of sustainable groundwater management
Land Use	<ul style="list-style-type: none"> • Municipalities • Local land use agencies • Regional land use agencies • Community Service Districts 	Consult and involve to ensure land use policies are supporting GSPs and there are no conflicting policies between the GSAs / GSP and said local government agencies
Private Users	<ul style="list-style-type: none"> • Private pumpers (domestic and agricultural) • Schools and colleges • Hospitals 	Inform and involve in assessing impacts to groundwater users
Urban/ Agricultural Users	<ul style="list-style-type: none"> • Water agencies • Irrigation districts • Municipal water companies • Mutual water companies • Resource conservation districts • Farmers/Farm Bureaus • Water Districts • Water users associations • Irrigated Lands Regulatory Program Coalition 	Collaborate to ensure sustainable management of groundwater
Industrial Users	<ul style="list-style-type: none"> • Commercial and industrial self-suppliers • Local trade associations or groups 	Inform and involve in assessing impacts to users
Environmental and Ecosystem Uses	<ul style="list-style-type: none"> • Federal and State agencies • Wetland managers • Environmental groups 	Inform and involve to consider/incorporate potential ecosystem impacts to GSP process
Surface Water Users	<ul style="list-style-type: none"> • Irrigation Districts • Water Districts • Water users associations • Agricultural users 	Inform and involve to collaborate to ensure sustainable water supplies
Economic Development	<ul style="list-style-type: none"> • Chambers of commerce • Business groups/associations • Elected officials • State Assembly members • State Senators • Economic Development Team 	Inform and involve to support a stable economy
Human Right to Water	<ul style="list-style-type: none"> • Disadvantaged communities • Small water systems • Environmental justice groups/community-based organizations 	Inform and involve to provide safe and secure groundwater supplies to all communities reliant on groundwater

Category of Interest	Examples of Stakeholder Groups	Engagement Purpose
	<ul style="list-style-type: none"> De minimis well owners 	
Tribes	<ul style="list-style-type: none"> Federally Recognized Tribes Non-Federally Recognized Tribes 	Inform, involve and consult with tribal government
Federal Lands	<ul style="list-style-type: none"> U.S. Fish and Wildlife Service U.S. Bureau of Reclamation U.S. Army Corps of Engineers 	Inform, involve and collaborate to ensure basin sustainability
Integrated Water Management	<ul style="list-style-type: none"> Regional water management groups (IRWM regions) Flood agencies 	Inform, involve and collaborate to improve regional sustainability

Key Messages

Beneficial users have been engaged in Subbasin-scale SGMA activities since shortly after enactment of the Act through the convening of governance work groups in each county to define governance in the Subbasin and establish GSAs. Each work group publicized all meetings and held initial SGMA information public meetings. As the GSAs expand the process of reaching out to stakeholders to inform and engage them in GSP development, and to conduct general communication about groundwater management issues and items, it is critical that GSAs share clear and consistent key messages to avoid confusion and misunderstanding. Key messages include:

1. The CGA and GGA are the exclusive GSAs in the Colusa Subbasin
2. Management responsibilities of the CGA and GGA include GSP preparation and approval, funding, SGMA implementation, and SGMA enforcement.
3. The CGA and GGA have committed to prepare a single GSP for the Colusa Subbasin.
4. The Colusa Subbasin GSP will inform and regulate groundwater usage. It will account for groundwater use and impacts on diverse groups of beneficial users, including, disadvantaged communities, agricultural users, residential users, municipal users, Tribes, and environmental water uses.
5. The CGA and GGA will proactively and sustainably managing groundwater in the Colusa Subbasin, and shall ensure compliance with SGMA to prevent State intervention.
6. The CGA and GGA will coordinate efforts with surrounding GSAs and subbasins in managing their respective portions of the Subbasin to achieve compliance with SGMA.
7. The CGA and GGA are committed to proactive and transparent outreach and engagement with all beneficial users during the GSP preparation process, and future SGMA implementation.
8. All beneficial users have an equal opportunity, either directly or through appropriate representation on the governing boards of the GSAs, to participate in GSP development and SGMA implementation.
9. Extensive outreach is a priority of both GSAs, to inform beneficial users about

implementation and potential effects of SGMA, and to ensure beneficial users are involved in the process.

10. Sustainable groundwater conditions in the Colusa Subbasin are critical to support, preserve, and enhance the economic viability, social well-being and culture of all beneficial uses and users, including tribal, domestic, municipal, agricultural, and industrial users.
11. Implementation and enforcement of the GSP should take place at the most local level possible and should allow each GSA member maximum input to any GSP chapter or section applicable to the Member and the beneficial uses and users that exist or will exist in a Member's service area or jurisdiction, and should reflect the Member's authority and desire to manage the water resources available to its constituents or customers, provided such management is consistent with sustainability requirements of SGMA and the GSP.
12. The Members agree that the GSP should encourage board members of each GSA to act on behalf of and represent all beneficial users within their service areas to ensure collective compliance with the Act.

Decision-Making

The CGA and GGA operate under respective Joint Powers Agreements (JPA). The JPAs can be found respectively at the following weblinks:

- <https://colusagroundwater.org/mdocs-posts/cga-joint-powers-agreement-v1/>
- <https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority>

Regarding decision-making, each GSA has identified in their respective JPA, the following text regarding decision-making:

“Except as to actions identified in Section 4.7, the Board of Directors will conduct all business by vote of a majority of the Directors present, if a quorum shall be established, and each Director shall have one (1) vote. Prior to voting, Board members shall endeavor in good faith to reach consensus on the matters to be determined such that any subsequent vote shall be to confirm the consensus of the Board. If any Board member or Member strongly objects to a consensus-based decision prior to a vote being cast, the Board shall work in good faith to reasonably resolve such strong objection, and, if the same is not resolved collaboratively, then the matter will proceed to a vote for final resolution under this Article 4.6 or Article 4.7 below, as applicable.”

Furthermore, each GSA JPA includes an attached Memorandum of Agreement (MOA) that represents negotiated guiding principles adopted by the respective GSA members during the development of their respective governance. These MOAs include the following stated principle regarding decision-making and engagement with beneficial users.

“A partnered approach should be fostered for sustainable groundwater management in the Colusa Subbasin that, among other things, supports the Act;

achieves sustainable conditions in the Subbasin; reflects mutual respect for each Party's discretion, governmental authority, expertise, knowledge of groundwater conditions, rights, needs and concerns; and ensures appropriate representation of all Beneficial Uses and Users."

Regarding advisory and coordinating committees, the CGA and GGA have each created a Technical Advisory Committee that meets periodically and is expected to have a significant role during the GSP development period as a venue for key technical discussions and subsequent recommendations to technical consultants, and to the respective GSA Boards. The CGA TAC and the GGA TAC generally meet jointly to facilitate basin-wide technical discussions and recommendations. These meetings are open to the public.

Each GSA has also formed other committees such as Executive Committees, Long-Term Funding Committees, and Public Engagement Committees. Some committees, such as standing committees are Brown Act compliant while ad hoc committees are generally formed for a limited time and purpose and do not require Brown Act compliance, although open meetings are commonly encouraged.

Recommended Communication Strategies and Mechanisms

This Plan is designed to meet the needs of the Subbasin as a whole. To maximize efficiency and support consistent messaging, it is appropriate that some outreach activities be conducted on a basin-wide level. However, it is also important to recognize that under SGMA each GSA has its own responsibility for engagement of the beneficial users within its boundaries, and individual GSA representatives and staff will need to engage with their own stakeholders and will be responsible for tracking the needs of their local communities. GSAs will consider stakeholder input gathered from outreach efforts as they move through GSP development and implementation processes. Three sets of strategies are important to consider when planning outreach and engagement activities, included in the following categories:

1. SGMA-required activities: The law requires GSAs to undertake specific types of outreach and engagement activities.
2. Essential strategies centrally communicated at the Subbasin and GSA service area level: Activities proven to successfully engage stakeholders.
3. Secondary strategies locally communicated at the GSA service area and beneficial user level: Activities that will enhance engagement efforts on a local and as-needed basis. These strategies are recommended for engaging specific stakeholder groups.

SGMA-Required Strategies

SGMA strongly encourages broad stakeholder engagement in development and implementation of GSPs. According to SGMA:

- *"The groundwater sustainability agency shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the groundwater basin prior to and during the development and implementation of the groundwater sustainability plan."* [CA Water Code Sec. 10727.8(a)]

- *“The groundwater sustainability agency shall consider the interests of all beneficial uses and users of groundwater.” [CA Water Code Sec. 10723.2]*

GSA’s are given broad discretion in the methods and processes utilized to meet engagement requirements. DWR has provided recommended phasing of engagement activities from the start of SGMA governance through long-term SGMA implementation however these recommendations are not prescriptive and are subject to GSA-specific discretion as to the timing and sequence of activities. (See Appendix 3 for graphical descriptions of generalized, sequential engagement strategies, phases and statutory and regulatory citations)

Centralized Outreach and Engagement Strategies

In the interest of collaboration as well as efficiency, the two GSA’s in the Subbasin are conducting and will continue to conduct various joint outreach and engagement activities (as also stated above), including:

- Joint public outreach and education meetings and workshops
- Joint CGA/GGA Board meetings and workshops
- Joint CGA/GGA Executive Committee meetings
- Joint CGA/GGA Technical Advisory Committee meetings
- Potentially other joint CGA/GGA committees as developed
- Development of outreach materials

Localized Outreach and Engagement Strategies

1. Develop and Maintain Lists of Interested Parties

A list of stakeholders and beneficial users (interested parties) has been developed by each GSA and will be updated throughout the GSP planning, implementation and enforcement processes. Each GSA will maintain its own list.

Timely notification of opportunities for interested parties to participate in the development and implementation of the GSP will be given via the channels and strategies described in detail throughout this document.

Additional options for engagement will be considered during specific engagement opportunities and include: (and in some cases are described further below)

- GSA Websites
- Flyers
- Direct mailers
- Newsletters
- Fact Sheets
- Print Media (Newspaper notifications and SGMA articles)
- Social Media

- Surveys
- Articles in agency newsletters/websites (e.g. Farm Bureau, RCDs, Farm Service Agency, Cooperative Extension, etc.)
- Notifications on GSA Member Agency websites/newsletters
- Engagement Partner events (e.g. community workshops, community meetings, etc.)
- Educational tours/field trips

To assist in determining the topics, types, and sequencing of outreach vis-à-vis specific stakeholder interests, DWR has recommended conducting a “Lay of the Land” exercise. In the Colusa Subbasin, although many of the major interests are represented on the GSA boards or advisory committees, there are still some interests (e.g., de minimis- users, small agriculturally-allied businesses) that need to be engaged. Table 2, below, presents this “lay of the land” analysis as recommended by DWR.

Table 2. SGMA GSA/GSP Stakeholder Constituency “Lay of the Land” Exercise

Organization or Individual	Type of Stakeholder	Key Interests	Key Issues	Expected GSP Sections of Interest	Rationale
Small urban/domestic (non-agricultural) water users	Domestic well users/Municipal well operators	Access to safe and affordable drinking water	Encourage active participation in the process	<ul style="list-style-type: none"> • Basin Setting • Projects and Management Actions (PMA) 	Not represented directly on GSA board
De minimis users	Private well users	Access to safe and affordable drinking water	<p>Encourage active participation in the process</p> <p>Financial impacts from SGMA implementation</p>	<ul style="list-style-type: none"> • Basin Setting • Sustainable Management Criteria (SMC) • Monitoring Networks • PMA 	Not represented directly on GSA board
Agricultural workers	Disadvantaged communities	Water availability, quality, fees, fallowing	Difficult to reach. Transient and housing insecure population	<ul style="list-style-type: none"> • Basin Setting • SMC • Monitoring Networks • PMA 	Extensive and potentially underrepresented community of beneficial users
Businesses	Private users	Water availability, quality, fees	Economic and financial impacts from SGMA implementation	<ul style="list-style-type: none"> • Basin Setting • PMA 	Not commonly associated or active with water policy issues
Ag-allied users (e.g. tractor)	Private users	Access to safe and affordable drinking	Economic and financial impacts	<ul style="list-style-type: none"> • Basin Setting • PMA 	Direct economic benefits and impacts

Organization or Individual	Type of Stakeholder	Key Interests	Key Issues	Expected GSP Sections of Interest	Rationale
leasing and maintenance)		water	from SGMA implementation		associated with water availability
Tribes	California Native American Tribes	Equitable use and availability of groundwater resources. Avoidance of negative redirected effects from groundwater extraction	Respect of cultural backgrounds, norms and needs	<ul style="list-style-type: none"> • Basin Setting • SMC • Monitoring Networks • PMA 	Underrepresented community of beneficial users.
Environmental interests	Environmental users of groundwater	Water availability for environmental purposes	Ecological health of tributaries and groundwater dependent ecosystems. Equitable and balanced use of groundwater	<ul style="list-style-type: none"> • Basin Setting • SMC • Monitoring Networks • PMA 	
Small surface water diverters (including private wetlands)	Agricultural users, and environmental users of	Water availability, quality, fees, fallowing	Water resource availability Financial impacts from SGMA	<ul style="list-style-type: none"> • Basin Setting • SMC • Monitoring Networks 	Direct economic benefits and impacts associated with water availability

Organization or Individual	Type of Stakeholder	Key Interests	Key Issues	Expected GSP Sections of Interest	Rationale
managers)	groundwater		implementation	<ul style="list-style-type: none"> • PMA 	
Surface Water Suppliers and Diverters	Agricultural water suppliers and irrigators	Opportunities for conjunctive use and groundwater recharge projects,	Protecting surface water rights. Acknowledgement for additional groundwater recharge created from agricultural irrigation and MAR projects	<ul style="list-style-type: none"> • Basin Setting • SMC • Monitoring Networks PMA	GW and Surface water are connected
Sites Reservoir JPA	Surface water users	Opportunities for conjunctive uses	Conjunctive use	<ul style="list-style-type: none"> • Basin Setting • SMC • Monitoring Networks • PMA 	New and potentially influential agency of local and statewide interests

2. Provide Regular Public Notices and Updates; Ensure Brown Act Compliance

The GSAs will provide public notices about their open meetings to ensure all stakeholders are informed and all Brown Act noticing requirements are fulfilled. The GSAs will also coordinate consistent messaging and outreach regarding basin-wide SGMA information and updates as they relate to the Colusa Subbasin.

- A. Topics to be noticed include and are not limited to:
 - i. GSP development and planning updates
 - ii. GSP implementation and enforcement updates
 - o GSP work plan and timeline
 - o Funding/financing plans
 - iii. General GSA updates, including:
 - o GSA Board meetings
 - o Executive Committee meetings
 - o Technical Advisory Committee meetings
 - o Public outreach and education meetings and workshops
 - o GSA annual reports
 - o Other SGMA related updates
- B. Schedule notices to be sent on a regular schedule, for example bi-monthly, monthly, or as needed
 - i. Meetings subject to the Brown Act, such as GSA Board meetings, must provide public notice and agendas must be posted 72 hours in advance of each regularly scheduled meeting (special meetings require 24-hour advance notice)
- C. Develop content appropriate to audiences and their interests, ensuring information is articulated in a way that is easily understood
 - i. Communication to beneficial users with less SGMA or technical experience should be easily understood, with streamlined, relatable, and repetitive information
 - ii. Updates and messages should be condensed to one page when possible, providing a succinct summary of the issues discussed, and including links for further or additional information
 - iii. As applicable, specific items should have an estimated timeline and a designated point of contact, including the person's position, email and telephone number
 - iv. Updates and information should be provided in both English and Spanish if possible
- D. Designate responsible staff and appropriate resources for ongoing inter-agency coordination regarding joint messaging, consistent outreach, and communication with stakeholders
- E. Determine appropriate dissemination channels by considering the following:
 - i. Utilize Constant Contact or a similar email marketing platform for management of interested party stakeholder lists or utilize GSA interested parties lists for email communications

- ii. Utilize member agency listservs delivered via standard email and/or U.S. Mail, e.g., inclusion in water bills, tax assessor documents, etc.
- iii. Utilize updated interested party stakeholder list for the Colusa Subbasin, including organizations and agencies such as Farm Bureaus, RCDs, DAC groups, Tribes, schools, hospitals, utilities, mutual water companies, neighborhood groups, and local non-profits

3. Provide Notices and Updates in Local Newspapers and Periodicals

Notices can take the form of public notices, op-ed articles, letters to the editor, advertisements or earned media.

- A. Send information and/or media releases to regional and local media outlets and contacts
 - i. Print Media
 - ii. Organization and community newsletters and periodicals
 - iii. Identify trusted bi-lingual and/or Spanish speaking media outlets
- B. Provide follow-up or wrap-up articles written by staff when appropriate
- C. Include notices for appropriate public meetings (as described throughout this Plan):

4. Create and Manage Social Media Content

Social media is not considered to be a primary mode for beneficial users to get information in the Subbasin (when compared to other more traditional means). However, recognizing changing trends in information access and exchange, the GSAs will consider expanding their outreach to include some of the more common social media platforms as long as said engagement proves beneficial (in terms of verifiable uses) and does not create an undo impact on staff time and GSA resources.

5. Institute Regular Stakeholder Outreach and Engagement Opportunities

It is critical that stakeholders and beneficial users are provided regular opportunities for their input to be incorporated into GSA decision-making processes, and that they understand exactly how they are able to contribute to the GSP planning and implementation processes.

Stakeholder engagement opportunities include but are not limited to:

- A. Standing Operations Meetings
 - i. GSA Board meetings
 - ii. Advisory Committee meetings

B. Public Workshops and Stakeholder meetings

The following should be considered when planning workshops and stakeholder meetings:

- i. Schedule workshops in evenings, or times that work well for the target audience, and/or near easily-accessible community areas as feasible and avoid busy seasons (i.e. planting and harvest)
- ii. Provide translation and facilitation services in English and Spanish (when feasible)

- iii. Public workshop (or similar) content includes but is not limited to:
 - a) Updates on GSA coordination activities
 - b) SGMA information
 - c) Updates on GSP development and planning activities
 - d) Opportunities for interested parties to participate in the development and implementation of the GSP (e.g. technical workshops on specific GSP components)
 - e) Notice of GSA intent to adopt or amend a GSP
 - f) Updates on groundwater management activities in the Subbasin, including projects
 - g) Notice to impose fees
 - h) Updates on SGMA activities in surrounding basins
 - i) Information on legislative activities related to SGMA, and groundwater and surface water management

6. Develop Consistent, Coordinated Messages and Talking Points

Define the key messages needed to effectively convey SGMA-related information to various audiences, and ensure consistency in a coordinated and meaningful outreach effort to all stakeholders.

- A. For each topic being discussed (see work plan), develop a set of talking points that can be used by GSA members when speaking to specific stakeholder groups or audiences. Talking points and messaging may be customized to specific stakeholder groups as appropriate.
- B. Develop tools, such as a glossary and a SGMA information piece, that contain easy-to-understand information as well as responses to anticipated questions from stakeholder groups. Consider developing simple brochures, infographics, and short videos.
- C. Identify and communicate opportunities for public engagement and/or public comment during meetings on GSP development.
- D. Provide clear messaging that GSAs retain legal responsibility for final GSA- and GSP-related decisions.

Additional Outreach and Engagement Strategies

While engagement opportunities can be created by GSAs, there are also opportunities for engagement that already exists in the Subbasin community.

The most effective way to inform and engage many stakeholders and beneficial users regarding SGMA requirements and soliciting feedback is through trusted local agencies and community organizations with standing meetings and established communication channels.

- A. Support local agencies and community organizations in disseminating information and engaging stakeholders in the following ways:
 - i. During standing board and/or community meetings
 - ii. Through monthly information pieces in newsletters or included in mailings

- iii. By disseminating information in both English and Spanish when appropriate
- B. Local trusted agencies and community organizations include but are not limited to:
 - i. Boards of Supervisors
 - ii. City Councils
 - iii. Environmental conservation groups
 - iv. Farm Bureaus
 - v. Growers associations and industry organizations
 - vi. Irrigation Districts
 - vii. Leaders in DAC communities
 - viii. Local hospitals and schools
 - ix. Local non-profits
 - x. Mutual Water Companies
 - xi. RCDs
 - xii. Tribal Council meetings
 - xiii. Water Districts
- C. Leverage local, trusted resources for community meetings, such as fairgrounds, firehouses, schools, churches, and community centers
- D. Organize public meetings around concrete impacts to specific stakeholders, including:
 - i. SGMA informational workshop(s) to inform stakeholders of important changes in groundwater management and how it will impact them
 - ii. Meetings that detail when and how opportunities to provide input to the GSA decision-making and GSP development processes will occur
 - iii. Public meetings regarding fee structures to help stakeholders understand how to interpret the impacts on them
- E. Make information and meetings accessible to various stakeholder groups
 - i. Provide information in easy-to-understand and streamlined terms
 - ii. Provide information and facilitation in both English and Spanish, when appropriate and as feasible
 - iii. Hold meetings during hours that do not conflict with regular work schedules (i.e., nights and weekends), or during prime planting and harvesting seasons

Recommended Milestones for Engaging Stakeholders

To employ the Stakeholder Communication and Engagement Plan effectively, Colusa Subbasin GSAs will need to develop a schedule for outreach and engagement activities. The below table (Table 3) identifies milestones required by SGMA, as well as centralized and localized engagement strategies that will be considered during each timeframe. This schedule, or similar, is expected to be updated into a task-oriented work plan and timeline as communication and engagement tasks are allocated and a more specific workplan for GSP development is prepared.

Table 3. Summary of Engagement Opportunities and Milestones

Timeframe	Milestone or Stage	Required Community Engagement Under SGMA	Centralized & Localized Communication Strategies
Shortly after GSA formation	After identification of outreach responsibilities among GSA member agencies	Notification of GSA formation	<ul style="list-style-type: none"> • Provide notice of GSA outreach resources: website, email listserv, calendar of GSA Board and subcommittee meetings • Develop and continue to update list of interested parties
Before GSP Planning Activities	Prior to beginning GSP development	Provide to the public and State, notice of intent to begin GSP planning and description of opportunities for interested parties to participate in GSP development and implementation	<ul style="list-style-type: none"> • Public workshop (s) • GSA Board meetings • Email notices and updates • Newspaper notice of public workshop(s)
Between Notice of GSP Planning and January 31, 2022	During GSP development	Public workshops, public meetings, TAC meetings, GSA Board meetings and other opportunities providing stakeholder avenues to participate in GSP development	<p><i>Centralized:</i></p> <ul style="list-style-type: none"> • Public workshops and/or public meetings on GSP development. • Email notice of public workshops / meetings • Newspaper notices of public workshops / meetings <p><i>Localized:</i></p> <ul style="list-style-type: none"> • Updates and information on GSP development at standing meetings • Disseminate updates via newsletter, websites and social media
	During GSP development	Active involvement of diverse social, cultural, and economic	<p><i>Centralized:</i></p> <ul style="list-style-type: none"> • Provide monthly email notices and updates

Timeframe	Milestone or Stage	Required Community Engagement Under SGMA	Centralized & Localized Communication Strategies
		elements of the population within the Subbasin	<ul style="list-style-type: none"> • Update website regularly • Convene monthly or bimonthly meetings of GSA Coordination Committee and Technical Advisory Committee • Convene quarterly or monthly meetings of GSA Board • Identify and communicate opportunities for public engagement on GSP development, (providing clear messages that GSAs retain legal responsibility for final GSA and GSP related decisions) • Develop consistent, coordinated messages and talking points • Arrange for technical support to stakeholder groups through presentations or workshops conducted by GSA representatives/staff • Develop content appropriate to the audience and their interests, ensuring information can be easily understood • Update area legislative bodies at strategic mileposts (and any other groups upon request) • Utilize updated interested party stakeholder list, member agency listservs delivered via email and/or U.S. Mail, and other media outlets such as newspaper and radio to provide notices • Strategically engage local, special SGMA identified groups <p><i>Localized:</i></p> <ul style="list-style-type: none"> • Utilize local channels and meetings to identify and