

MADERA SUBBASIN

Sustainable Groundwater
Management Act (SGMA)

*Joint Groundwater Sustainability
Plan*

APPENDIX 1. INTRODUCTION

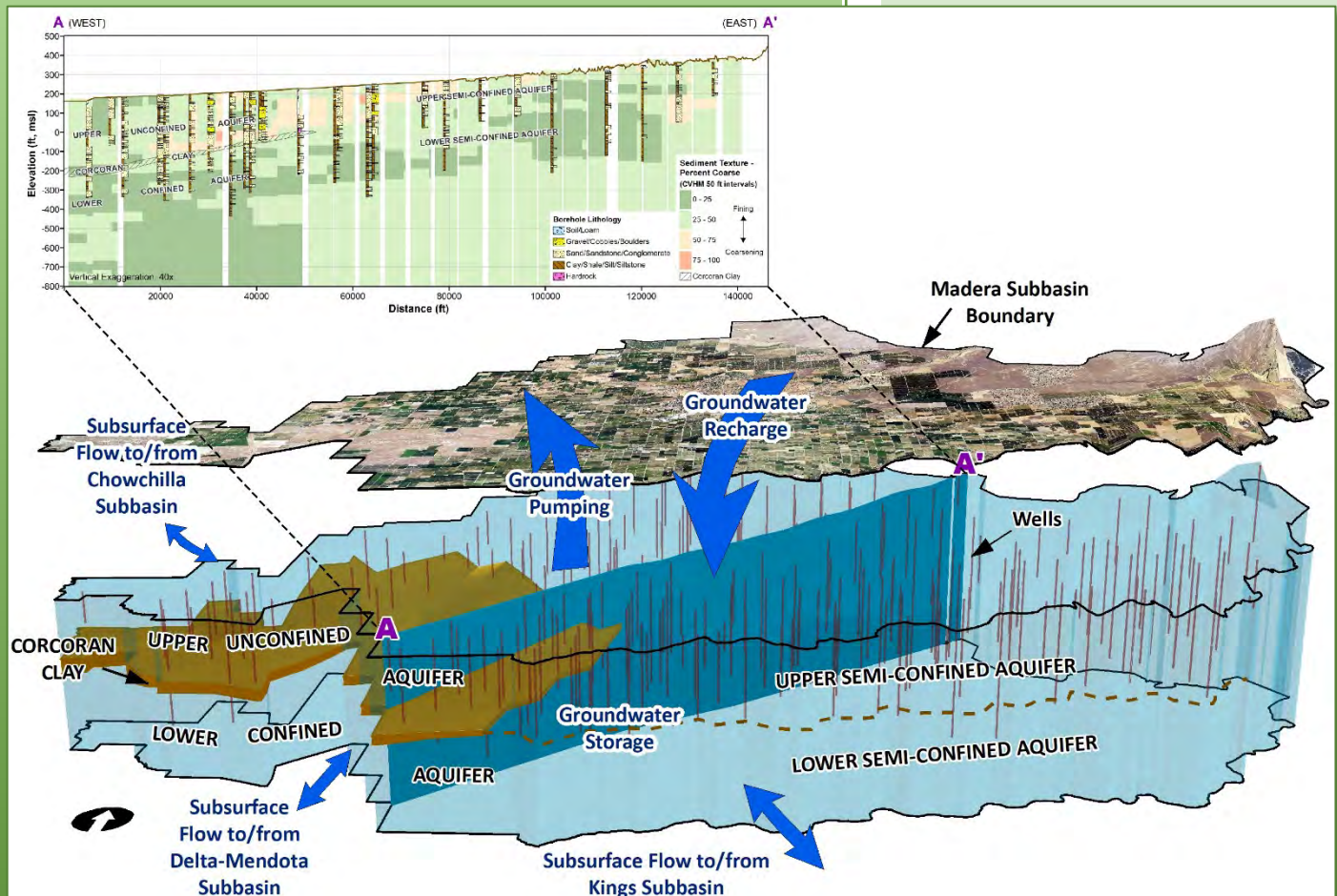
Technical Appendices 1.A. through 1.H.

January 2020



Prepared by

Daids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento



PUBLIC REVIEW DRAFT

Madera Subbasin

Sustainable Groundwater
Management Act

Joint Groundwater Sustainability Plan

Technical Appendices 1.A. through 1.H.

January 2020

Prepared For

Madera Subbasin Coordination Committee

Prepared By

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

APPENDIX 1. INTRODUCTION

- 1.A. City of Madera's Groundwater Sustainability Agency Formation Notice.
- 1.B. Madera County's Groundwater Sustainability Agency Formation Notice.
- 1.C. Madera Irrigation District's Groundwater Sustainability Agency Formation Notice.
- 1.D. Madera Water District's Groundwater Sustainability Agency Formation Notice.
- 1.E. Gravelly Ford Water District's Groundwater Sustainability Agency Formation Notice.
- 1.F. New Stone Water District's Groundwater Sustainability Agency Formation Notice.
- 1.G. Root Creek Water District's Groundwater Sustainability Agency Formation Notice.
- 1.H. Glossary: SGMA Definitions

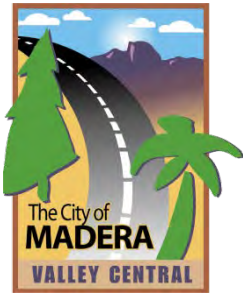
**APPENDIX 1.A. CITY OF MADERA'S GROUNDWATER
SUSTAINABILITY AGENCY FORMATION NOTICE**

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento



CITY OF MADERA

COMMUNITY DEVELOPMENT DEPARTMENT

Dave Merchen – Director of Community Development
dmerchen@cityofmadera.com ▪ (559) 661-5430
205 W 4th Street ▪ Madera, Ca 93637

September 12, 2016

Mark Nordberg, GSA Project Manager
Senior Engineering Geologist
California Department of Water Resources
901 P Street, Room 213-B
Sacramento, Ca 94236
Mark.Nordberg@water.ca.gov

RE: City of Madera's Notice of Election to Become a Groundwater Sustainability Agency

Dear Mr. Nordberg,

Pursuant to California Water Cod 10723.8 of the Sustainable Groundwater Management Act (SGMA), the purpose of this letter is to provide notice that the City of Madera has elected to be established as the Groundwater Sustainability Agency (GSA) for portions of the DWR Groundwater Basin 5-22.06 underlying the city limits of the City of Madera. The extents of the boundary proposed to be managed by the City of Madera GSA are shown in in Exhibit A.

On August 17, 2016, the Madera City Council held a public hearing regarding the establishment of a GSA encompassing that portion of the Madera Sub-basin lying within the City of Madera's city limits. The public hearing was conducted in accordance with Water Code Section 10723(b) and was noticed in accordance with Government Code Section 6066 (Exhibit B). After holding this public hearing, the Madera City Council adopted Resolution 16-13 establishing the City of Madera Groundwater Sustainability Agency (Exhibit C). No new bylaws or ordinances were adopted in conjunction with this action.

The City's election to be established as a GSA was made after collaborating with other agencies that have responsibility to manage groundwater resources within the Madera Sub-basin. All such agencies voluntary formed the Madera Sub-basin GSA Formation Committee, which provided a forum to evaluate alternatives for compliance with SGMA and set a preferred course of action. Agencies participating in the Madera Sub-basin GSA Formation Committee include: City of Madera, County of Madera, Aliso Water District, Gravelly Ford Water District, Madera irrigation District, Madera Water District, New Stone Water District and Root Creek Water District.

Due to the overlap which occurs between the service areas of the City of Madera and Madera Irrigation District, special collaboration was required to avoid conflict. The City and Madera Irrigation District agreed that the Irrigation District GSA boundaries would exclude the city limits, and that the City GSA boundaries would encompass the entire city limits. The City and Madera Irrigation District have executed a memorandum of understanding confirming this point and agreeing to coordinate and collaborate on other issues related to SGMA compliance.

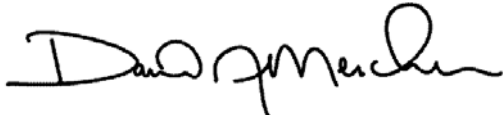
Pursuant to Section 10723.2 of the Water Code, the City of Madera GSA shall consider the interests and work cooperatively with all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability Plans. An initial list of interested parties has been developed for this purpose, attached as Exhibit D to the notice. This list may be expanded as the process of preparing a groundwater sustainability plan commences.

The following information is included in this notice and transmittal pursuant to Section 10723.8(a) of the Water Code:

1. Exhibit A - Boundary Map of the City of Madera Groundwater Sustainability Agency
2. Exhibit B - Notice of Public Hearing Pursuant to Government Code Section 6066
3. Exhibit C - City of Madera Resolution 16-13
4. Exhibit D - List of Interested parties
5. City of Madera GSA Boundary Shape File

If you have any questions regarding any of the information provided in this letter please let me know.

Sincerely,

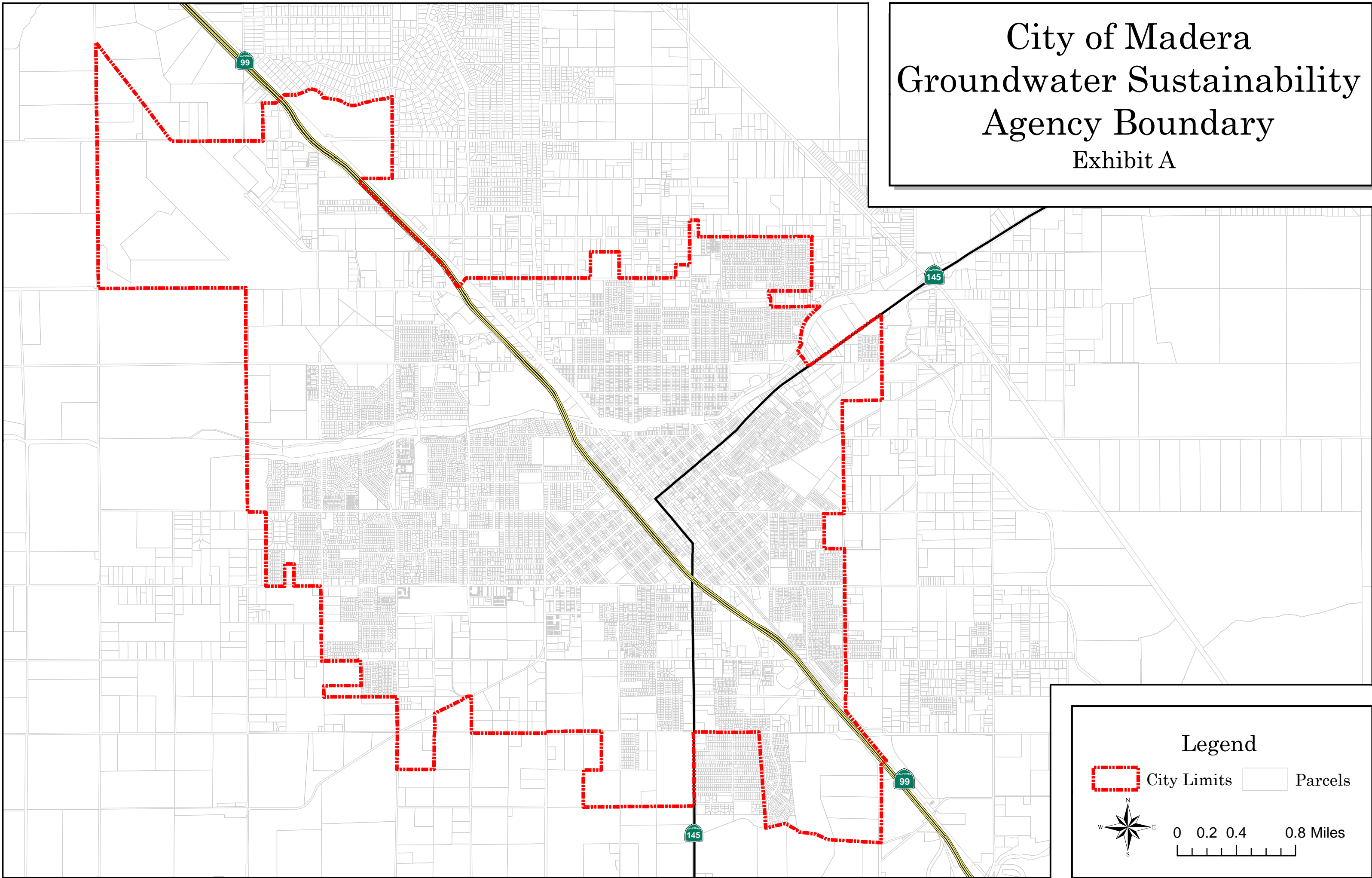
A handwritten signature in black ink, appearing to read "David J. Merchen". The signature is fluid and cursive, with a large initial "D" and "M".

David J. Merchen
Community Development Director



“EXHIBIT A”

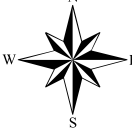
GSA Boundary Map

City of Madera Groundwater Sustainability Agency Boundary Exhibit A

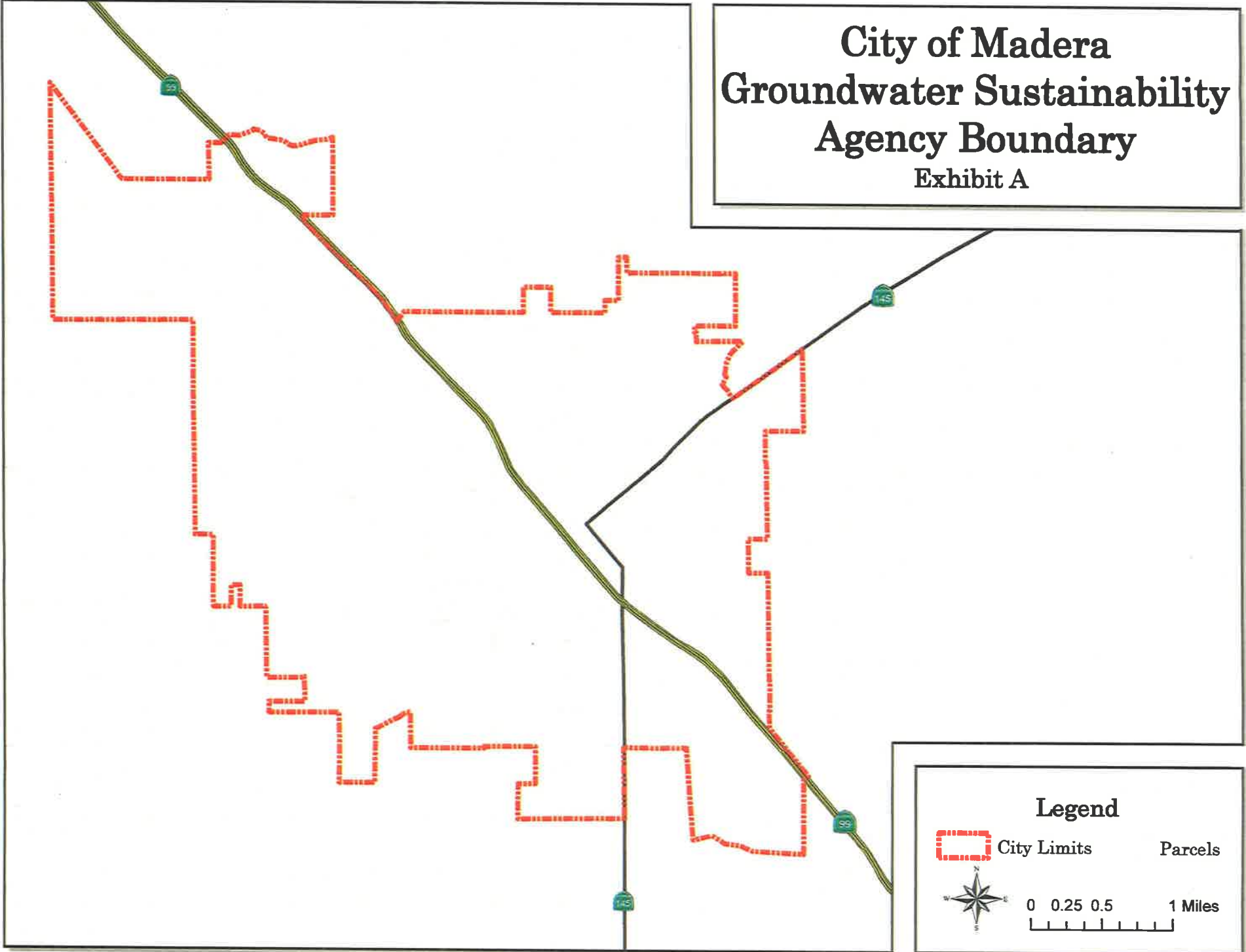


Legend



 City Limits  Parcels


 0 0.2 0.4 0.8 Miles

City of Madera Groundwater Sustainability Agency Boundary Exhibit A

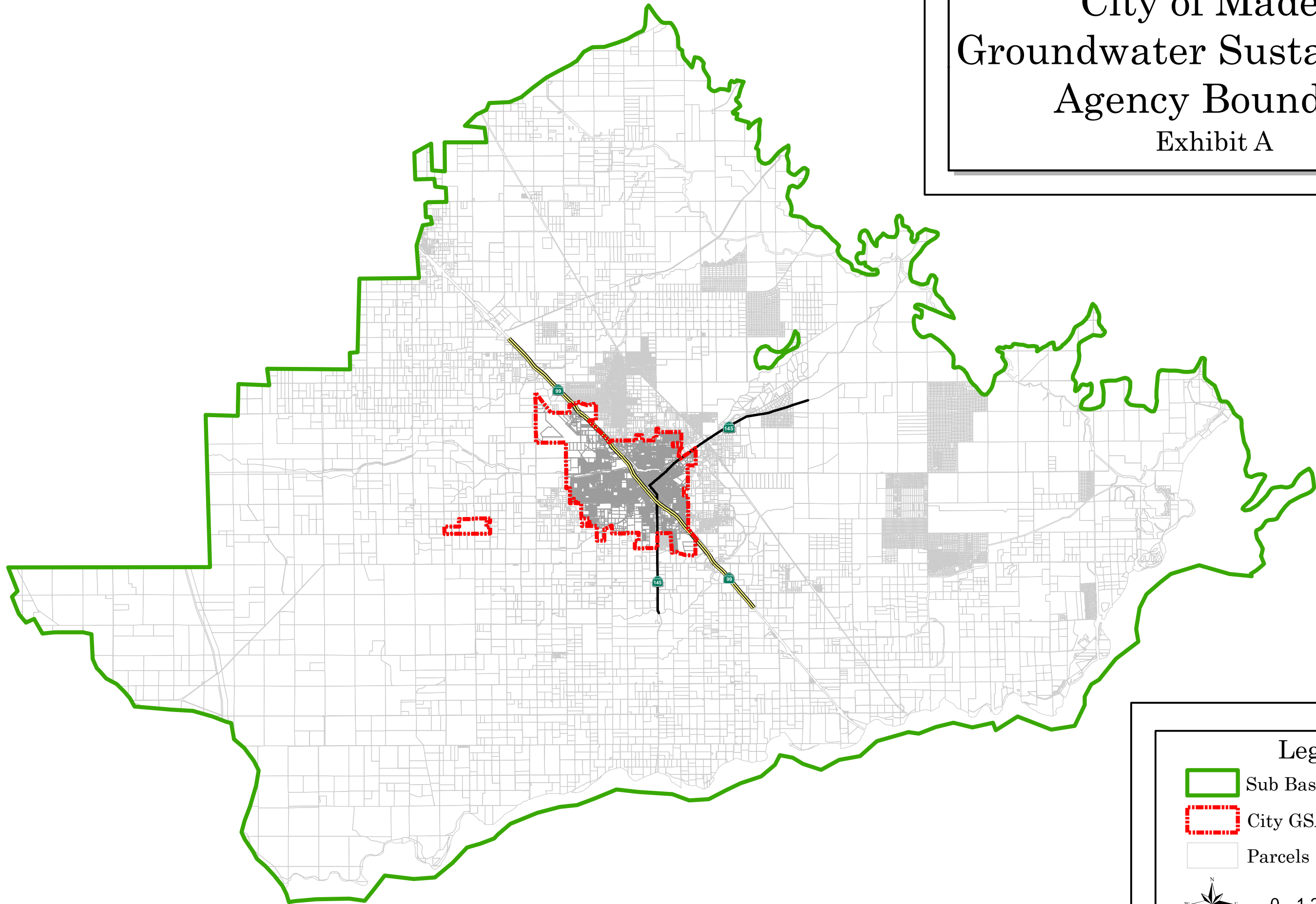


Legend




 City Limits  Parcels


 0 0.25 0.5 1 Miles

City of Madera Groundwater Sustainability Agency Boundary Exhibit A



Legend

-  Sub Basin 5-22.06
-  City GSA Boundary
-  Parcels

 0 1.25 2.5 5 Miles

**“EXHIBIT B”
PROOF OF PUBLICATION**

Proof of Publication

(2015.5 C.C.P.)

NOTICE OF PUBLIC HEARING

GROUND WATER SUSTAINABILITY

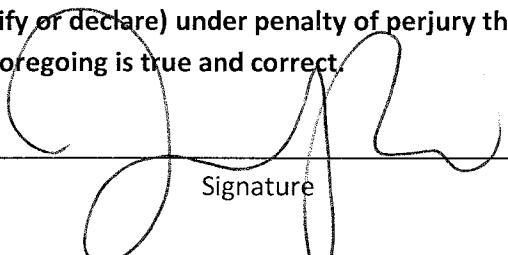
4014

STATE OF CALIFORNIA)
) ss.
 County of Madera)

I am a citizens of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Madera Tribune, a newspaper of general circulation, published in the City of Madera, County of Madera, and which newspaper has been adjudged a newspaper of General circulation by the Superior Court of the County of Madera, State of California, under the date of November 9, 1966, Case Number 4875 that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

July 30, August 6, 2016

I certify or declare) under penalty of perjury that the foregoing is true and correct.



 Signature

Date _____ August 6, 2016 _____

NOTICE OF PUBLIC HEARING

Notice is hereby given that on Wednesday the 17th day of August, in the Council Chambers of City Hall, 205 West Fourth Street, Madera, California, at the hour of 6:00 p.m., the City Council of the City of Madera will hold a public hearing to consider the following matter, in addition to others that have been, or will be scheduled:

Consideration of a Resolution Approving the Formation of a Groundwater Sustainability Agency under the Sustainable Groundwater Management Act.

Pursuant to Water Code Section 10723, the City of Madera ("City") will hold a public hearing to determine whether the City will become a Groundwater Sustainability Agency (GSA) for a portion of the Madera Sub-basin of the San Joaquin Valley Groundwater Basin.

Pursuant to Section 65009 of the Government Code of the State of California, Notice is Hereby Given that if any of the foregoing projects or matters are challenged in Court, such challenge may be limited to only those issues raised at the public hearing, or in written correspondence delivered to the City Council at or prior to the public hearing.

If you have any questions or comments regarding this hearing notice, you may call David Merchen, Community Development Director, at (559) 661-5430. Si usted tiene preguntas o comentarios, o necesita ayuda con interpretación, favor de llamar el Departamento de Planeamiento (559) 661-5430.

SONIA ALVAREZ
 City Clerk

No. 4014- July 30, August 6, 2016

“EXHIBIT C”
RESOLUTION

Resolution No. 16-135

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA APPROVING THE FORMATION OF A
GROUNDWATER SUSTAINABILITY AGENCY UNDER THE SUSTAINABLE GROUNDWATER
MANAGEMENT ACT

WHEREAS, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of Groundwater Sustainability Plans; and

WHEREAS, Water Code Section 10723(a) authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and

WHEREAS, the City of Madera (City) is a local agency qualified to become a GSA because City manages water supply and delivery, and has land use responsibilities over a portion of the Madera Sub-basin (Basin Number 5-22.06, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and

WHEREAS, the City has informed other local agencies with responsibility for land use and groundwater authority within the Madera-Sub-basin of its intent to become a GSA; and

WHEREAS, City held a public hearing on August 17, 2016, after publication of notice pursuant to Government Code Section 6066 to consider adoption of this Resolution; and

WHEREAS, adoption of this Resolution does not constitute a "Project" under the California Environmental Quality Act (CEQA) pursuant to 15060(c)(3) and 15378(b)(5) of the State CEQA Guidelines because it is an administrative action that does not result in any direct or indirect physical change in the environment.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Madera as follows:

1. The above recitals and findings are true and correct.
2. The City of Madera does hereby elect to become a Groundwater Sustainability Agency to cover the portion of DWR Basin No. 5-22.06 within the City Limits as of August 17, 2016, as shown on Exhibit "A" attached to this Resolution.
3. The City of Madera Groundwater Sustainability Agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code Section 10723.4.
4. Within 30 days of the date of this Resolution, the Community Development Director is directed to submit a notice of intent to the Department of Water Resources, pursuant to Water Code section 10723.8 (a).
5. This resolution is effective immediately upon adoption.

PASSED AND ADOPTED by the City Council of the City of Madera this 17th day of August, 2016 by the following vote:

AYES: Mayor Poythress, Council Members Rigby, Medellin, Holley, Robinson, Oliver, Foley Gallegos.

NOES: None.

ABSTENTIONS: None.

ABSENT: None.

APPROVED:


ROBERT L. POYTHRESS, Mayor

ATTEST:


SONIA ALVAREZ, City Clerk



APPROVED AS TO LEGAL FORM:


BRENT RICHARDSON, City Attorney

“EXHIBIT D”

LIST OF INTERESTED PARTIES

City of Madera Groundwater Sustainability Agency
List of Interested Parties

The City of Madera has collaborated with all parties that are known to be eligible to form groundwater sustainability agencies within the Madera Groundwater Sub-basin. All such parties worked together to establish the “Madera Sub-Basin GSA Formation Committee”. After discussion and deliberation, the GSA Formation Committee members agreed upon a course of action whereby individual agency-based GSAs would be formed, after which all GSAs within the sub-basin would work together on a single groundwater sustainability plan (GSP). The City intends to utilize pre-established relationships and the agreed upon course of action to collaborate with other GSA’s to ensure that the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing the GSP, are considered.

1. Agricultural Users

There are a limited number of agricultural users within the City of Madera. The City will engage directly with those users. Outside the City limits, the City will work collaboratively with other GSAs within the basin, including those that provide direct service to agricultural users, to consider the interests of agricultural users within the sub-basin.

2. Domestic Well owners

There are a limited number of private domestic well owners within the City limits. The City will coordinate with the County Environmental Health Department and use public outreach tools to identify such owners and their interests such that they may be considered. Outside the City limits, the City will work collaboratively with other GSAs within the sub-basin, including those that allow the development of domestic wells, to identify and consider their interests.

3. Municipal well operators

The City is the owner and operator of municipal wells within the City of Madera GSA boundaries. There are no other known municipal water well operators within the sub-basin.

4. Public Water Systems

Outside the City limits, the City will work collaboratively with the County of Madera GSA, which operates public water systems within the Madera sub-basin, to consider their interests.

5. Local land use planning agencies

The City of Madera is the local land use and planning agency within the City of Madera GSA boundary. Outside the City limits, the City will work collaboratively with the County of Madera GSA, which functions as a local land use planning agency for the unincorporated area within the Madera Sub-basin.

6. Environmental users of groundwater

There are no known environmental users of groundwater within the Madera Sub-basin. The City of Madera GSA will seek to identify such users through the public outreach process to be conducted as part of the preparation of the groundwater sustainability plan.

7. Surface water users

There are a limited number of users of surface water within the City of Madera GSA boundary. Such users are served by the Madera Irrigation District. The City of Madera will coordinate with the Madera Irrigation District GSA to consider the interests of surface water users within the Madera Sub-basin, both within and outside the City GSA boundaries.

8. The federal government, including, but not limited to, the military and managers of federal lands.

There are lands owned by the United States Bureau of Reclamation (USBR) for the Madera Irrigation District distribution system located within and outside the City of Madera GSA Boundaries. The City of Madera GSA will collaborate with Madera Irrigation District, which is the operator of those facilities and coordinates with the USBR on a regular basis.

9. California Native American Tribes

There are no known California Native American tribes maintaining a presence within the boundaries of the City of Madera GSA. The United States Bureau of Indian Affairs owns land on behalf of the North Fork Rancheria of Mono Indians of California outside the City GSA Boundaries, but within the boundaries of the Madera Sub-basin. The City will engage the North Fork Rancheria directly, and through the Madera Irrigation District GSA, which previously executed an MOU addressing the Sustainable Groundwater Management Act.

10. Disadvantaged Communities

The City of Madera is considered a disadvantaged community as is Madera County. There are also more narrowly defined DACs within the sub-basin. The City will engage disadvantaged populations within and outside the City GSA boundaries through public outreach tools and through the points of contact that have been identified through prior planning efforts.

11. Entities listed in Section 10927 that are monitoring

The City of Madera is a member of the Madera Sub-basin GSA Formation Committee and the Madera Groundwater Authority. The City GSA will collaborate with these agencies and their members relative to groundwater monitoring.

**APPENDIX 1.B. MADERA COUNTY'S GROUNDWATER
SUSTAINABILITY AGENCY FORMATION NOTICE.**

Prepared as part of the
**Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

**APPENDIX 1.B. MADERA COUNTY'S GROUNDWATER
SUSTAINABILITY AGENCY FORMATION NOTICE.**

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento



WATER AND NATURAL RESOURCES DEPARTMENT

JULIA D. BERRY
DIRECTOR

200 W. Fourth St.
Suite 3100
Madera, CA 93637
(559) 675-7821
FAX (559) 675-6573
mcwater@madera-county.com

January 27, 2017

To Whom it May Concern,

The County of Madera (County) is writing to inform your agency of the County's decision to initiate the process to become a Groundwater Sustainability Agency (GSA) for a portion of the lands within the Madera Subbasin boundary, see Exhibit A. The County is comprised of three subbasins: (1) the Madera Subbasin, (2) the Delta-Mendota Subbasin and (3) the Chowchilla Subbasin. The Sustainable Groundwater Management Act (SGMA) requires local public agencies who want to manage groundwater to follow a public process to become a GSA. Any local agency that has land use, water supply, or water management responsibilities can elect to become a GSA within its political boundaries.

The County intends to commence the GSA formation process, see enclosed notification. The commencement of this process is part of an overall strategy by the County to file with the Department of Water Resources after the other agencies in each subbasin completed or initiated the GSA formation process. This strategy was followed with a goal of insuring coverage for the entire subbasins to achieve compliance with SGMA. Madera County looks forward to cooperating with your agency in the development and implementation of the Groundwater Sustainability Plan (GSP) to preserve our local resources.

Sincerely,

Julia D. Berry
Director, Madera County
Water and Natural Resources Department

Enclosures: Exhibit A – GSA Boundaries
Madera County Service Area
Notice of Intent



WATER AND NATURAL RESOURCES DEPARTMENT

JULIA D. BERRY
DIRECTOR

200 W. Fourth St.
Suite 3100
Madera, CA 93637
(559) 675-7821
FAX (559) 675-6573
mcwater@madera-county.com

January 27, 2017

Via Email & U.S. Mail

Mr. Mark Nordberg, GSA Project Manager
Senior Engineering Geologist
California Department of Water Resources
901 P Street, Room 213-B
P.O. Box 942836
Sacramento, CA 94236
Mark.Nordberg@water.ca.gov

Mr. Dane Mathis
Sup. Engineering Geologist
3374 East Shield Avenue
Fresno, CA 93726
Dane.Mathis@water.ca.gov

Mr. Mike McKenzie
Senior Engineering Geologist
3374 East Shields Avenue
Fresno, CA 93726
Charles.McKenzie@water.ca.gov

RE: *Notice of Madera County's Intent to Serve as Groundwater Sustainability Agency for a portion of the Madera Subbasin*

To Whom it May Concern,

This letter constitutes notice to the Department of Water Resources (DWR) of the County of Madera's (County) intent to undertake sustainable groundwater management in the Madera Subbasin (Basin) as a Groundwater Sustainability Agency (GSA) pursuant to the Sustainability Groundwater Management Act (SGMA). Madera County is a political subdivision of the State of California established under the state Constitution, and is eligible to serve as a GSA. This notice of intent is timely filed within 30 days of the date Madera County's Board of Supervisor's (Board) approved its January 27, 2017 resolution electing to serve as a GSA.

This notice also includes all information required to be submitted pursuant to Section 10723.8(a) of the Water Code. This notice encloses a map depicting the County's proposed GSA management area. (Water Code, § 10723.8, subd. (a)(1).) The County's proposed management area is within the County's service area. It is not the intention of Madera County to overlap any neighboring agencies which have formed or are in the process of forming GSAs. Groundwater Sustainability Agencies in the Madera Subbasin will include: (1)City of Madera, (2)Madera Irrigation District, (3)Gravelly Ford Water District, (4)Madera Water District, (5)Root Creek Water District, (6)New Stone Water District and the (7)the County of Madera.

The County's resolution electing to form a GSA is also enclosed. Also, attached to the resolution is the "Proof of Publication" for public noticing. No new bylaws, ordinances, or other new authorities were adopted in connection with this resolution to serve as a GSA.

Pursuant to Section 10723.8(a)(4) of the Water Code, the following is a list of "interested parties developed pursuant to Water Code Section 10723.2 and an explanation of how their interests will be considered in the development and operation of the groundwater sustainability agency and the development and implementation of the sustainability plan."

Specifically, Section 10723.2 of the Water Code requires a GSA to "consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing GSPs," including the following interests:

(a) *Holders of overlying groundwater rights, including:*

(1) *Agricultural users.*

- The area to be managed by Madera County is comprised of many agricultural users of groundwater who rely on groundwater solely for irrigation purposes. The County will engage agricultural groundwater users in the process through public outreach, including the Madera County Water Association and Madera County Farm Bureau.

(2) *Domestic Well owners.*

- The area includes domestic well users. The County intends to reach out and engage this portion of groundwater users by invitation to publically held meetings.

(b) *Municipal well operators.*

- There are no municipal well operators.

(c) *Public water systems.*

- There are 23 Public Water systems and one Mutual Water Company, the Central California Women's Facility and Valley State Prison which will be engaged in this process.

(d) *Local land use planning agencies.*

- Madera County is the local land use authority in the boundary to be managed by the Groundwater Sustainability Agency.

(e) *Environmental users of groundwater.*

- There are no environmental users of groundwater.

(f) *Surface water users, if there is a hydrologic connection between surface and groundwater bodies.*

- There is no hydrologic connection between surface water and groundwater flows. The surface water features in and near the County's service area: the San Joaquin River and the Chowchilla Bypass.

(g) *The federal government, including, but not limited to, the military and managers of federal lands.*

- Not applicable.

(h) *California Native American Tribes.*

- Not applicable.

(i) *Disadvantaged communities, including, but not limited to, those served by private domestic wells or small community water systems.*

•The following Disadvantaged Communities will be engaged in the process by invitation to publically held meetings:

Parksdale
County Service Area 14 – Chuk-Chanse
Fairmead
Sotelo
Valley Teen Ranch
Bonadelle Ranchos

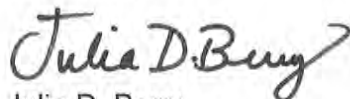
(j) *Entities listed in Section 10927 that are monitoring.*

• The Madera-Chowchilla CASGEM Group currently covers the County service area, and Madera County participates in the reporting.

Interested parties will have several opportunities, both formally and informally, to provide input to Madera County throughout the process of developing, operating, and implementing the GSA including, but not limited to, public comment periods required by SGMA, opportunities for public comment during regularly scheduled County Board of Supervisor's hearings, and at other times to be determined and noticed pursuant to Water Code section 10727.8(a).

Should you have any further questions, feel free to contact me at (559) 675-7821.

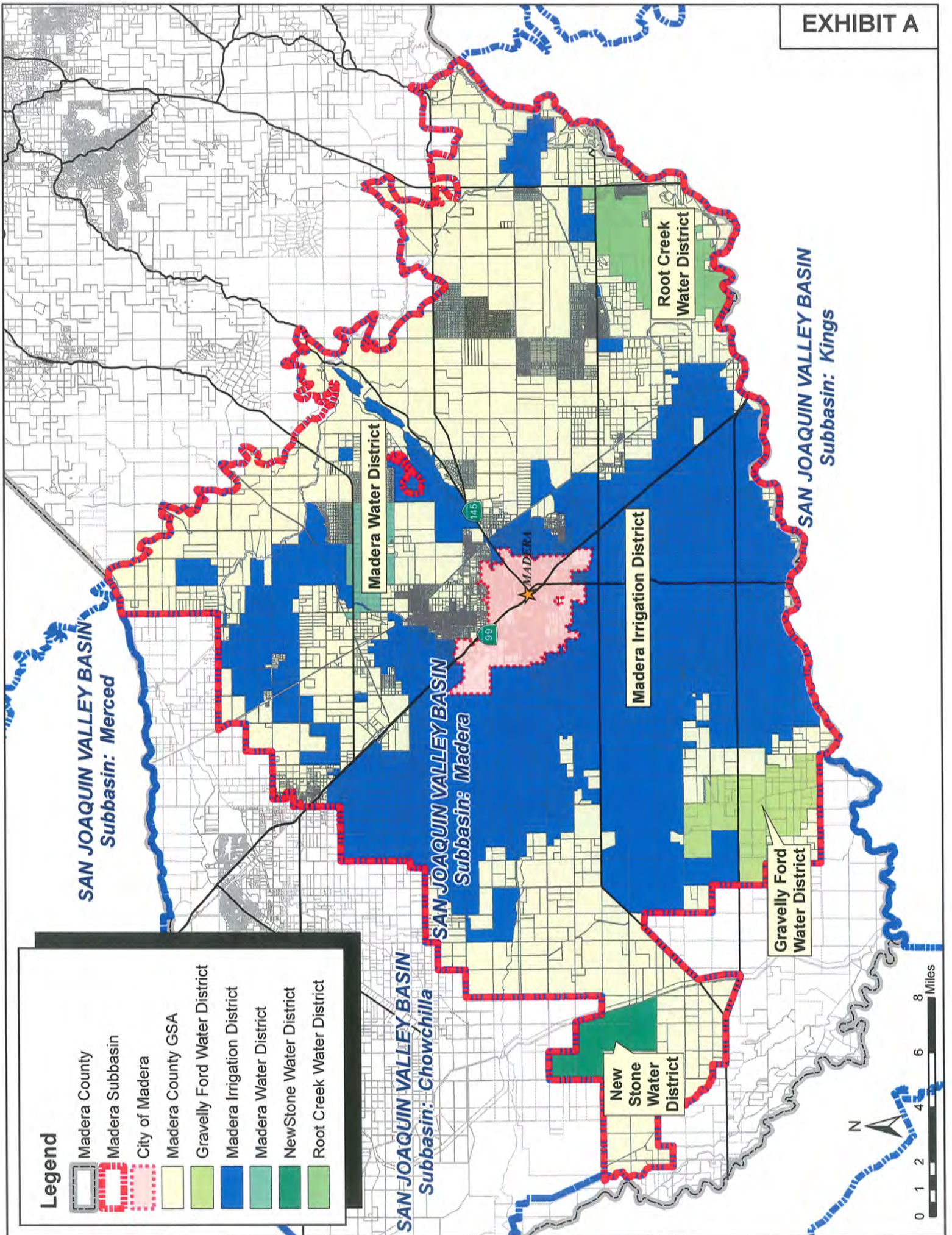
Sincerely,



Julia D. Berry
Director, Madera County
Water and Natural Resources Department

“EXHIBIT A”

GSA Boundary Map



SAN JOAQUIN VALLEY BASIN
Subbasin: Merced

SAN JOAQUIN VALLEY BASIN
Subbasin: Chowchilla

SAN JOAQUIN VALLEY BASIN
Subbasin: Madera

SAN JOAQUIN VALLEY BASIN
Subbasin: Kings

Madera Water District

Madera Irrigation District

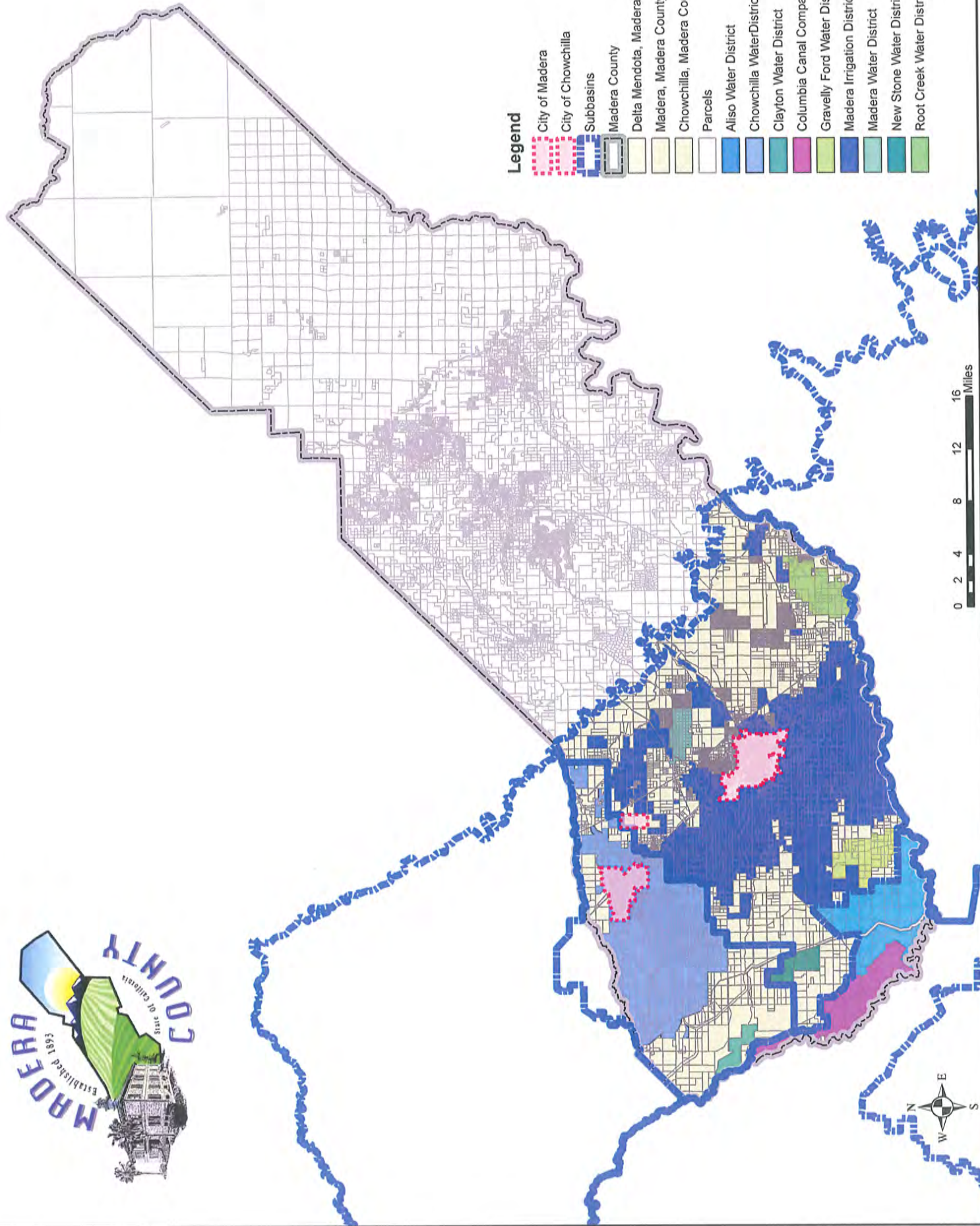
Root Creek
Water District

Gravelly Ford
Water District


















New
Stone
Water
District

MADERA





Legend

-  City of Madera
-  City of Chowchilla
-  Subbasins
-  Madera County
-  Delta Mendota, Madera County GSA
-  Madera, Madera County GSA
-  Chowchilla, Madera County GSA
-  Parcels
-  Aliso Water District
-  Chowchilla Water District
-  Clayton Water District
-  Columbia Canal Company
-  Gravelly Ford Water District
-  Madera Irrigation District
-  Madera Water District
-  New Stone Water District
-  Root Creek Water District



“EXHIBIT B”
PROOF OF PUBLICATION

Proof of Publication

(2015.5 C.C.P.)

NOTICE OF PUBLIC HEARING

HEARING/WATER CODE SEC. 10723

STATE OF CALIFORNIA)
) ss.
County of Madera)

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Madera Tribune, a newspaper of general circulation, published in the City of Madera, County of Madera, and which newspaper has been adjudged a newspaper of General circulation by the Superior Court of the County of Madera, State of California, under the date of November 9, 1966, Case Number 4875 that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

DECEMBER 28, 2016 JANUARY 4, 2017

I certify or declare under penalty of perjury that the foregoing is true and correct.



Signature

Date: JANUARY 4, 2017

NOTICE OF PUBLIC HEARING
NOTICE IS HEREBY GIVEN that on January 24, 2017 at their regular meeting in the Board of Supervisors' Chambers located at the Madera County Government Center, 200 West 4th Street, Madera California, the Board of Supervisors will hold a public hearing to consider the following application:

10:00 A.M.: Hearing, pursuant to Water Code Section 10723, to determine whether the County will become a Groundwater Sustainability Agency for a portion of the Madera Subbasin of the San Joaquin Valley Groundwater Basin. Written comments may be submitted to the County, Attn: Julia Berry, Department of Water and Natural Resources, 3rd floor of the County Administration Building, or via email: mcwater@maderacounty.com, no later than 3:00 PM January 20, 2017. Members of the public will be allowed to make oral comments in addition to written comments submitted before making a decision. Oral comments will be limited to 3 minutes per individual.

Dated: December 28, 2016

RHONDA CARGILL, Chief Clerk of the Board of Supervisors in and for the County of Madera, State of California.
No. 4342 - Dec. 28, 2016, Jan. 4, 2017.

“EXHIBIT C”
RESOLUTION

BEFORE
THE BOARD OF SUPERVISORS
OF THE COUNTY OF MADERA
STATE OF CALIFORNIA

In the Matter of)	Resolution No.: <u>2017 - 015</u>
)	
THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT)	A RESOLUTION ELECTING TO SERVE AS THE GROUNDWATER SUSTAINABILITY AGENCY FOR THE
Madera County – Madera Subbasin)	MADERA SUBBASIN
_____)	

WHEREAS, the Sustainable Groundwater Management Act of 2014 Water Code Sections 10720-10737.8 ("the Act") was signed into law on September 16, 2014; and

WHEREAS, the Act requires that each California groundwater basin be managed by a Groundwater Sustainability Agency ("GSA"), or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan ("GSP") or multiple GSPs; and

WHEREAS, Madera County encompasses the Madera Subbasin (Basin No. 5-22.06) in the San Joaquin Valley Groundwater basin, an unadjudicated groundwater basin; and.

WHEREAS, Madera County is a public agency as defined in section 10721 of the Water Code; and

WHEREAS, the County is authorized to be a GSA for portions of the Madera Subbasin pursuant to section 10723(a); and

WHEREAS, notice of a public hearing to consider whether the District should become a GSA was published in the Madera Tribune newspaper Notice as required by section 6066 of the Government Code and is attached hereto as "Exhibit A"; and

WHEREAS, the County held a public hearing at which the County Board of Supervisors considered whether the County should be a GSA for the Basin; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of the County of Madera, State of California, that:

1. Madera County elects to be the exclusive Groundwater Sustainability Agency for a portion of the Madera Subbasin, shown on the map attached hereto as "Exhibit B" and incorporated herein by reference.
2. Within 30 days of the date of this resolution, the Director of the County Department of Water and Natural Resources is directed to submit a notice of intent to the Department of Water Resources, pursuant to Water Code section 10723.8(a).
3. The Director shall after complying with Water Code section 10727.8, begin the process of developing the Groundwater Sustainability Plan for the basin in accordance with all applicable statutes and regulations.
4. The Director shall report on an ongoing basis the progress of implementation of the Act to the County Board of Supervisors.

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**APPENDIX 1.C. MADERA IRRIGATION DISTRICT'S GROUNDWATER
SUSTAINABILITY AGENCY FORMATION NOTICE.**

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

Phone (559) 673-3514

www.madera-id.org

General Manager

Thomas Greci

Assistant

General Manager

Dina Cadenazzi Nolan

Legal Counsel

John P. Kinsey



12152 Road 28 1/4
Madera, CA 93637

Board of Directors

Division 1

David Loquaci

Division 2

Rick Cosyns

Division 3

Brian Davis

Division 4

James Erickson

Division 5

Carl Janzen

April 5, 2016

Via Email & U.S. Mail

Mr. Mark Nordberg, GSA Project Manager
Senior Engineering Geologist
California Department of Water Resources
901 P Street, Room 213-B
P.O. Box 942836
Sacramento, CA 94236
Mark.Nordberg@water.ca.gov

Mr. Dane Mathis
Sup. Engineering Geologist
3374 East Shield Avenue
Fresno, CA 93726
Dane.Mathis@water.ca.gov

Mr. Mike McKenzie
Senior Engineering Geologist
3374 East Shields Avenue
Fresno, CA 93726
Charles.McKenzie@water.ca.gov

RE: *Notice of the Madera Irrigation District's Intent to Serve as Groundwater Sustainability Agency for a Portion of the Madera Subbasin*

To Whom it May Concern,

This letter constitutes notice to the Department of Water Resources (DWR) of Madera Irrigation District's (MID or District) intent to undertake sustainable groundwater management in a portion of the Madera Subbasin (Basin) as a Groundwater Sustainability Agency (GSA) pursuant to the Sustainability Groundwater Management Act (SGMA). MID is a public agency, established by the State Legislature as a Special Act District, and is eligible to serve as a GSA. This notice of intent is timely filed within 30 days of the date MID's Board of Directors (Board) approved its March 31, 2016 resolution electing to serve as a GSA.

This notice also includes all information required to be submitted pursuant to Section 10723.8(a) of the Water Code. This notice encloses a map depicting MID's proposed GSA management area. (Water Code, § 10723.8, subd. (a)(1).) MID's proposed management area follows the boundary of the District and land owned by the District, with the exception of lands within the City of Madera and Madera Water District. The District's resolution electing to form a GSA is also enclosed.¹ (*Id.*, subd. (a)(2).) Also attached to the resolution is the "Proof of Publication" for public noticing. No new bylaws, ordinances, or other new authorities were adopted in connection with this resolution to serve as a GSA. (*Id.*, subd. (a)(3).)

Pursuant to Section 10723.8(a)(4) of the Water Code, the following is a list of "interested parties developed pursuant to [Water Code] Section 10723.2 and an explanation of how their interests will be considered in the development and operation of the groundwater sustainability agency and the development and implementation of the [District's] sustainability plan."

Specifically, Section 10723.2 of the Water Code requires a GSA to "consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing GSPs," including the following interests:

(a) Holders of overlying groundwater rights, including:

(1) Agricultural users.

- The Madera Irrigation District encompasses approximately 130,000 acres, of which, approximately 120,000 acres are agriculture. As MID is a conjunctive use District, most of agricultural users in the District are also groundwater users. MID has preexisting relationships with these landowners.

(2) Domestic Well owners.

- Most rural domestic well owners are also agricultural landowners and will be considered by the District.

(b) Municipal well operators.

- City of Madera. The City of Madera is a municipal well operator in MID's boundary. The City of Madera will establish a separate GSA for management. MID and the City of Madera are currently working on a Memorandum of Understanding regarding GSA management. The City of Madera and MID are both members of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority.

(c) Public water systems.

- There are County Service Areas (CSA's) managed by the County of Madera within the District. The District will coordinate with the County of Madera on these areas. The County of Madera and MID are both members of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority. Additional water systems within the management area may be identified during the SGMA implementation process.

¹ The District did not adopt any new bylaws, ordinances, or new authorities that are applicable to this notice.

(d) Local land use planning agencies.

- County of Madera and the City of Madera. The County of Madera, City of Madera, and MID are members of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority and will coordinate and cooperate through those processes.

(e) Environmental users of groundwater.

- Not applicable.

(f) Surface water users, if there is a hydrologic connection between surface and groundwater bodies.

- Not applicable. Within MID's boundary, the only surface water users are supplied by MID and described above.

(g) The federal government, including, but not limited to, the military and managers of federal lands.

- See the "California Native American Tribes" Section below. Additionally, there are lands owned by the United States Bureau of Reclamation (USBR) for MID's distribution system. MID is the operator of those facilities and coordinates with the USBR on a regular basis.

(h) California Native American Tribes.

- The United States Bureau of Indian Affairs owns land within MID's boundary on behalf of the North Fork Rancheria of Mono Indians of California. On May 12, 2015 MID and the North Fork Rancheria of Mono Indians of California executed an Amendment to a Memorandum of Understanding. In paragraph 6 (b) of the Amendment the Sustainable Groundwater Management Act was acknowledged.

(i) Disadvantaged communities, including, but not limited to, those served by private domestic wells or small community water systems.

- Madera County is considered by DWR a county with a countywide median household income of less than 80%, MID is located entirely within Madera County. Disadvantaged communities include, but are not limited to, the City of Madera, Fairmead, and Parkwood. Many of these areas are County Service Areas (CSA's) managed by the County of Madera. The District will coordinate with the City of Madera and County of Madera on these areas. The County of Madera and MID are both members of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority.

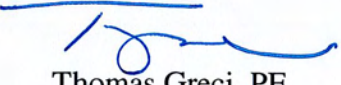
(j) Entities listed in Section 10927 that are monitoring

- MID is a member of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority. The agencies in these organizations include the City of Madera, County of Madera, and local water agencies including Gravelly Ford Water District, Root Creek Water District, Madera Water District, and Aliso Water District. Agencies from the Chowchilla Subbasin and Delta Mendota Subbasin also participate including Columbia Canal Company, Chowchilla Water District, and the City of Chowchilla.

Interested parties will have several opportunities, both formally and informally, to provide input to MID throughout the process of developing, operating, and implementing the GSA including, but not limited to, public comment periods required by SGMA, opportunities for public comment during the MID's regular and special board meetings, and at other times to be determined and noticed pursuant to Water Code section 10727.8(a).

If you should have any further questions, please feel free to contact me at 559-673-3514.

Sincerely,



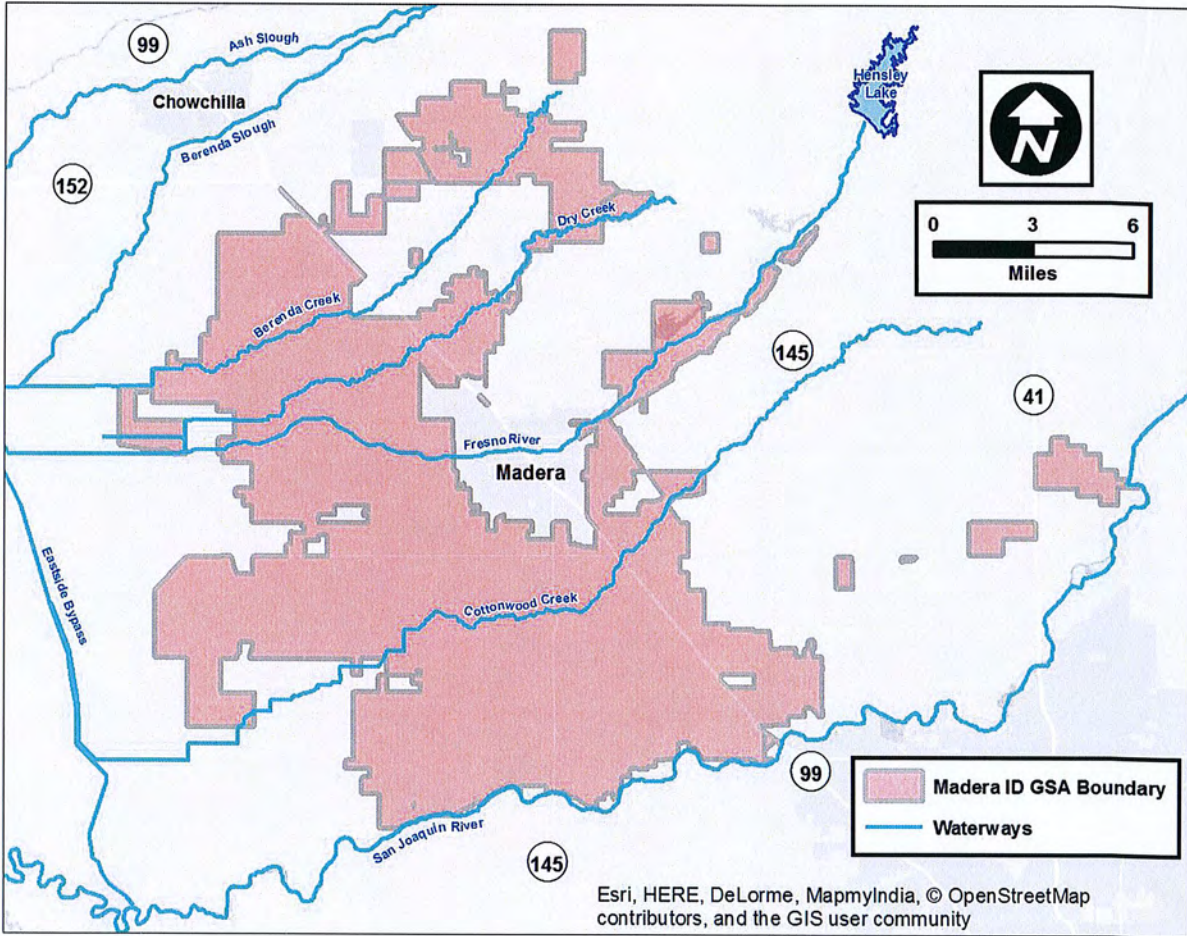
Thomas Greci, PE
General Manager

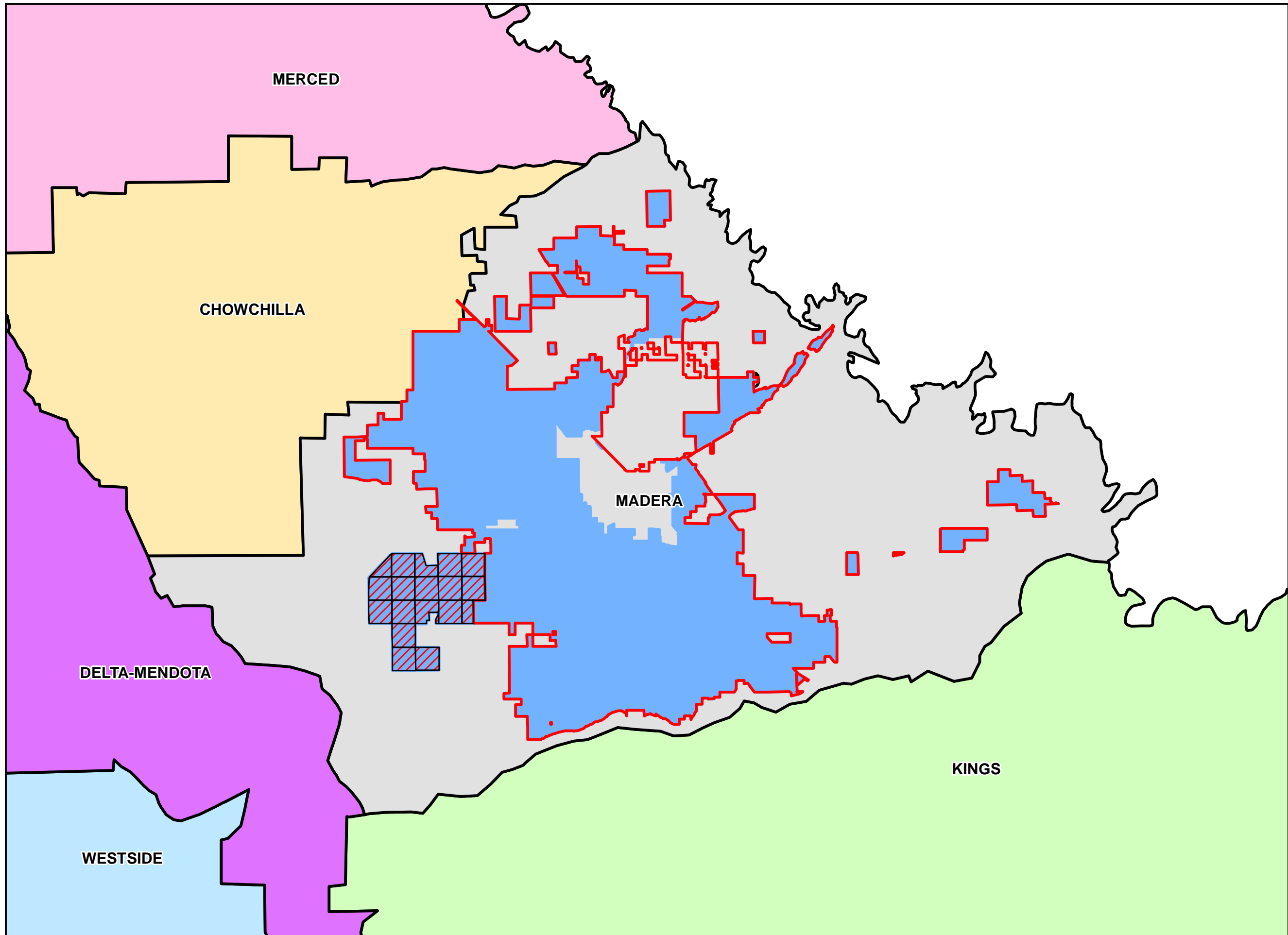
Enclosure

“EXHIBIT A”




GSA Boundary Map

EXHIBIT "B"





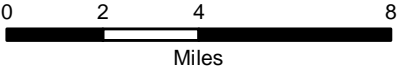
**Groundwater Subbasins
Near Madera Irrigation
District**

-  Madera I.D. Boundary
-  Madera I.D. GSA Boundary
-  Madera I.D. Owned Parcels



Date:
4/8/2016

Author:
Ramon E Mendez



“EXHIBIT B”
PROOF OF PUBLICATION

Proof of Publication

(2015.5 C.C.P.)

NOTICE OF PUBLIC HEARING

MARCH 31, 2016

RE: GROUNDWATER SUSTAINABILITY AGENCY

STATE OF CALIFORNIA)
County of Madera) ss.

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Madera Tribune, a newspaper of general circulation, published in the City of Madera, County of Madera, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Madera, State of California, under the date of November 9, 1966, Case Number 4875 that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

MARCH 12, 19, 2016

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Handwritten signature: Ellen Beach

Signature

Date: March 19, 2016

MADERA IRRIGATION DISTRICT Notice of Public Hearing
Election to become a Groundwater Sustainability Agency under the Sustainable Groundwater Management Act
NOTICE IS HEREBY GIVEN that, pursuant to Water Code Section 10723, the Madera Irrigation District ("District") will hold a public hearing during a special meeting on March 31, 2016, commencing at 9:00 a.m. at the District's office at 12162 Road 28/14, Madera, CA, to determine whether the District will become a Groundwater Sustainability Agency (GSA) for a portion of the Madera Subbasin of the San Joaquin Valley Groundwater Basin.
Dated: March 8, 2016, Thomas Greci, General Manager
Publish Dates: March 12 & March 19, 2016
Exhibit A
Madera Irrigation District GSA Area
Madera ID GSA Boundary Waterways
No. 2769 - March 12, 19, 2016

“EXHIBIT C”
RESOLUTION

**MARCH 31, 2016
RESOLUTION NO. 2016-21**

**RESOLUTION OF THE BOARD OF DIRECTORS,
MADERA IRRIGATION DISTRICT
ELECTION TO SERVE AS GROUNDWATER SUSTAINABILITY AGENCY**

RESOLVED by the Board of Directors (“Board”) of the Madera Irrigation District (“District”), at a special meeting duly called and held on March 31, 2016, at the business office of the District, 12152 Road 28 1/4, Madera, California 93637 as follows:

WHEREAS, the Sustainable Groundwater Management Act of 2014, Water Code sections 10720-10737.8 (“SGMA”) was signed into law on September 16, 2014; and

WHEREAS, SGMA requires that each California groundwater basin or subbasin be managed by a Groundwater Sustainability Agency (“GSA”), or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan (“GSP”) or multiple GSPs; and

WHEREAS, the District’s service area overlies a portion of the subbasin of the San Joaquin Valley Groundwater Basin known as a portion of the Madera Subbasin (Basin No. 5-22.06 in the Department of Water Resources’ CASGEM system), an unadjudicated groundwater basin overlying a portion of Madera County (the “Basin”); and

WHEREAS, the District is a local public agency as defined in section 10721 of the Water Code; and

WHEREAS, the District is authorized to be a GSA for a portion of the Basin pursuant to section 10723(a) of the Water Code; and

WHEREAS, notice a public hearing to consider whether the District should become a GSA for a portion of the Basin, a copy of which is attached hereto as Exhibit “A,” was published in the Madera Tribune on March 12, 2016, and March 19, 2016, pursuant to section 6066 of the Government Code and section 10723(b) of the Water Code; and

WHEREAS, the District has made a good faith effort to provide courtesy copies of the hearing notice to the Basin’s other potential GSAs, including the board of supervisors of Madera County, the City of Madera, and other districts that overlie the Basin; and

WHEREAS, the District held a public hearing at which its Board of Directors considered whether the District should become a GSA for the Basin; and

WHEREAS, it would be in the best interest of the District to become a GSA for a portion of the subbasin; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Madera Irrigation District do order as follows:

1. The District hereby elects to be the exclusive Groundwater Sustainability Agency for the portion of the Madera Subbasin that is shown on the map attached hereto as Exhibit “B” and incorporated herein by reference.

2. Within 30 days of the date of this Resolution, the General Manager is directed to submit a notice of intent to the Department of Water Resources, pursuant to Water Code section 10723.8(a).
3. The General Manager shall, after complying with Water Code section 10727.8, begin the process of developing the Groundwater Sustainability Plan for the Basin in accordance with all applicable statutes and regulations in partnership with other GSAs in the Basin.
4. The General Manager shall create and maintain a list of persons interested in receiving notices concerning the District's SGMA process pursuant to section 10723.4 of the Water Code.
5. The General Manager shall provide regular progress reports on the SGMA implementation process to the Board.

THE FOREGOING RESOLUTION WAS DULY AND REGULARLY ADOPTED by the Board of Directors of the Madera Irrigation District, at a special meeting of the Board held on the 31st day of March, 2016, by the following vote:

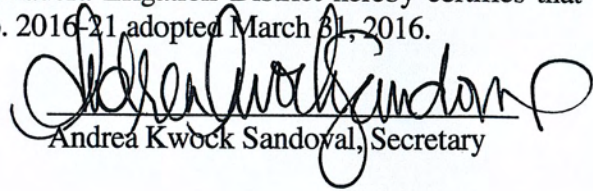
AYES: Directors Davis, Erickson, Loquaci, Cosyns, and Janzen
NOES: None
ABSENT: None
ABSTAIN: None

ATTEST: Richard Cosyns
Richard Cosyns, Vice President

Carl Janzen
Carl Janzen, President

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Madera Irrigation District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2016-21, adopted March 31, 2016.


Andrea Kwöck Sandoval, Secretary



**APPENDIX 1.D. MADERA WATER DISTRICT'S GROUNDWATER
SUSTAINABILITY AGENCY FORMATION NOTICE**

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

Madera Water District
1663 N. Schnoor Avenue, Suite 105
Madera CA 93637
(559) 674-4944

July 13, 2016

Mr. Mark Nordberg
Sustainable Groundwater Management Program
California Department of Water Resources
901 P Street, Room 213A
P.O. Box 942836
Sacramento, California 94236-0001
Mark.norberg@water.ca.gov

RE: Notice of the Madera Water District's Intent to Serve as Groundwater Sustainability Agency for a Portion of the Madera Subbasin

Dear Mr. Nordberg,

This letter serves as notification to the California Department of Water Resources that the Madera Water District (MWD) has elected to become a Groundwater Sustainability Agency (GSA) pursuant to Water Code Section 10723.8(a) and the Sustainable Groundwater Management Act (SGMA) for a portion of the Madera Subbasin, as proposed, of the San Joaquin Valley Basin (Basin) located within the boundary identified in **Exhibit A**. At this time, no other entity has elected to become or has provided notice to the California Department of Water Resources (DWR) of their formation of, or intent to form a GSA to manage aforementioned portions of the Madera Subbasin.

A public hearing was advertised (**Exhibit B**) and then held on July 13, 2016, at which the Madera Water District Board of Directors allowed public comment and approved a resolution electing to serve as a GSA (**Exhibit C**) for a portion of the proposed Madera Subbasin. No new bylaws, ordinances, or other new authorities were adopted in connection with this resolution to serve as GSA.


MWD anticipates the need to enter into intra- and/or inter-basin agreements to ensure that Groundwater Sustainability Plans (GSPs) are coordinated and satisfy applicable regulations developed under SGMA.

Mr. Mark Nordberg
July 13, 2016
Page 2

For a detailed list of interested parties and stakeholders, and an explanation of how their interests will be considered in the development and operation of the GSA and development and implementation of the GSP, see **Exhibit D** attached hereto.

Should you have any questions or require additional information with regard to this notice, please contact Brad Samuelson of Provost & Pritchard Consulting Group, at (209) 809-2300.

Regards,



Carl Johnson, President

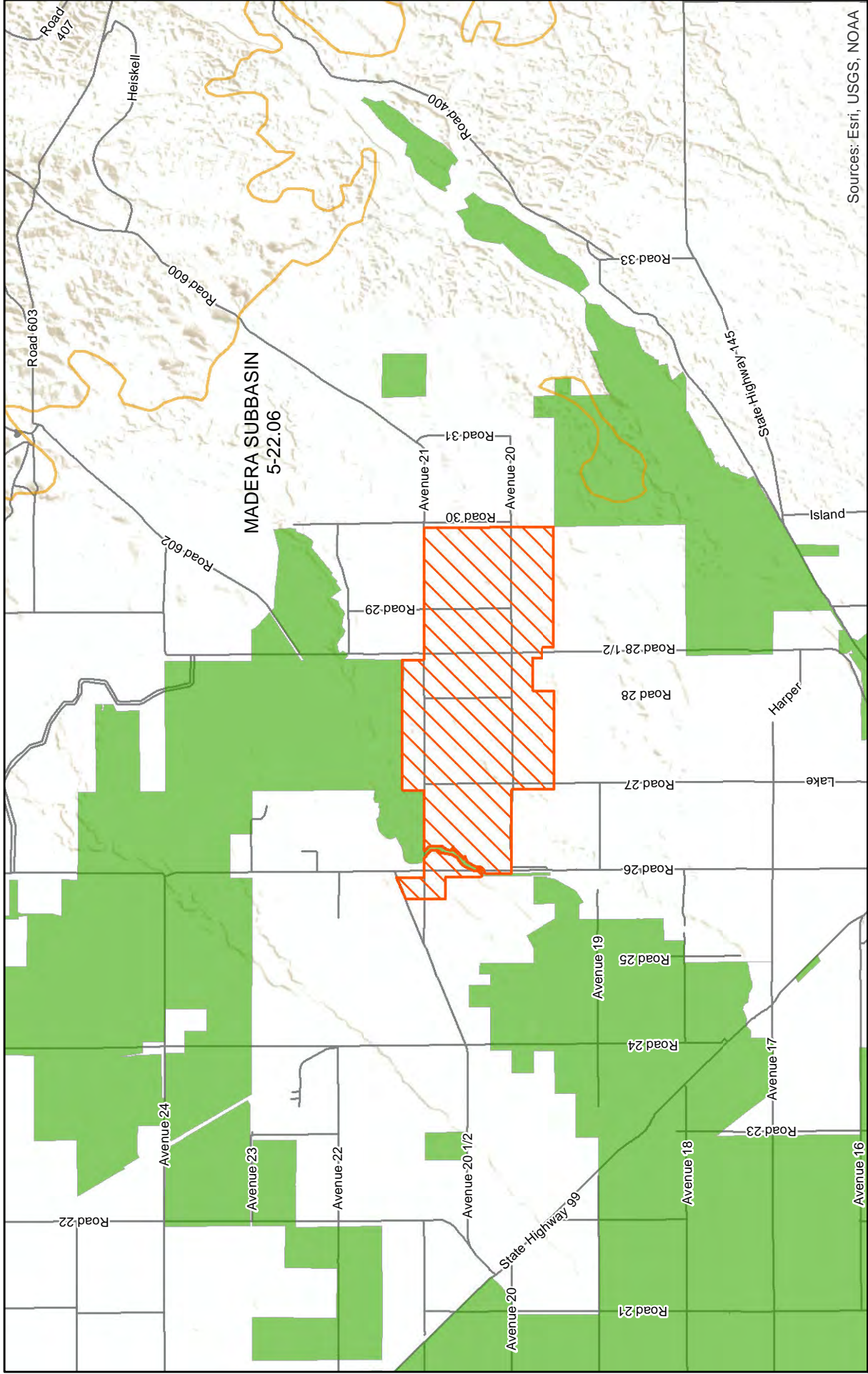
Attachments

- Exhibit A: Map of GSA Boundaries (GIS shape file to follow)
- Exhibit B: Notice of Public Hearing pursuant to Water Code 10723(b)
- Exhibit C: Resolution
- Exhibit D: List of Interested Parties per Water Code 10728.8(a)

“EXHIBIT A”

GSA Boundary Map





Exhibit A



Sources: Esri, USGS, NOAA

Madera Water District GSA

Legend

-  Proposed Madera W.D. GSA Boundary (same as MWD Service Area)
-  Proposed Madera I.D. GSA Boundary*
-  DWR Bulletin 118 GW Subbasins
-  Road

*Shape provided by Madera I.D. R.Mendez






EST. 1988
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company

Exhibit B

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that the Board of Directors of the Madera Water District will hold a public hearing during its board meeting on July 13, 2016, at 9 AM at the Madera Water District office, 1663 N. Schnoor Avenue, Suite 105, Madera, California 93637.

The purpose of this Public Hearing is to accept public testimony regarding the proposal that the Madera Water District act as the Groundwater Sustainability Agency under Water Code Section 10723 for the portion of the Madera Groundwater Sub-basin within the Madera Water District, prior to the board adopting a resolution.

The hearing is open to the public and any person present will have the opportunity to be heard. For further information regarding this matter, please contact John Gies, General Manager, at (559) 674-4944.

Proof of Publication

(2015.5 C.C.P.)

NOTICE OF PUBLIC HEARING

MADERA WATER DISTRICT

CODE SECTION 10723

STATE OF CALIFORNIA)

) ss.

County of Madera)

I am a citizens of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Madera Tribune, a newspaper of general circulation, published in the City of Madera, County of Madera, and which newspaper has been adjudged a newspaper of General circulation by the Superior Court of the County of Madera, State of California, under the date of November 9, 1966, Case Number 4875 that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

NOTICE OF PUBLIC HEARING
NOTICE IS HEREBY GIVEN that the Board of Directors of the Madera Water District will hold a public hearing during its board meeting on July 13, 2016, at 9 AM at the Madera Water District office, 1883 N. Schrock Avenue, Suite 105, Madera, California 93637. The purpose of this Public Hearing is to accept public testimony in regard to the proposal that the Madera Water District act as the Groundwater Sustainability Agency under Water Code Section 10723 for the portion of the Madera Groundwater Sub-basin within the Madera Water District, prior to the board adopting a resolution. The hearing is open to the public and any person present will have the opportunity to be heard. For further information regarding this matter, please contact John Gies, General Manager, at (559) 674-4844.
No. 3023 - June 22, 29, July 6, 2016

June 22, 29, July 6, 2016

I certify or declare) under penalty of perjury that the foregoing is true and correct.

Signature

Date

7/20/16

“EXHIBIT C”
RESOLUTION

EXHIBIT C

RESOLUTION NO. 2016-713

RESOLUTION OF THE BOARD OF DIRECTORS
OF MADERA WATER DISTRICT

REGARDING THE MADERA WATER DISTRICT DECLARING ITS INTENTION TO BECOME
A GROUNDWATER SUSTAINABILITY AGENCY UNDER THE SUSTAINABLE
GROUNDWATER MANAGEMENT ACT FOR A PORTION OF THE MADERA SUBBASIN OF
THE SAN JOAQUIN VALLEY GROUNDWATER BASIN

WHEREAS, the Sustainable Groundwater Management Act of 2014 ("SGMA"), signed into law on September 16, 2014, requires that each California groundwater basin or subbasin be managed by a Groundwater Sustainability Agency ("GSA"), or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan ("GSP") or multiple GSPs; and

WHEREAS, the SGMA authorizes any local agency overlying the Basin to elect to become a GSA within the Basin; and

WHEREAS, the Madera Water District (District) is a local agency as defined under SGMA and is therefore eligible to serve as a GSA within the Basin; and

WHEREAS, prior to GSA formation, as outlined in the California Water Code, a public hearing must take place after which the District can adopt a Resolution to form a GSA; and

WHEREAS, the District held a public hearing on July 13, 2016 at 9:00 AM after publication of Notice pursuant to Government Code section 6066 to consider the adoption of this Resolution; and

WHEREAS, the District wishes to exercise the powers and authorities of a GSA granted by the SGMA;

NOW, THEREFORE, BE IT RESOLVED THAT;

1. The Madera Water District hereby elects to be the exclusive Groundwater Sustainability Agency for the portion of the Madera Subbasin within the jurisdictional boundaries of the District.

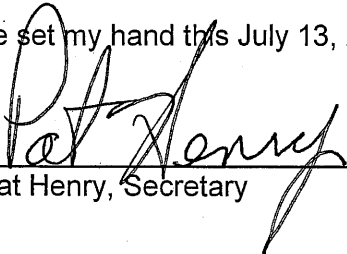
2. Within 30 days of this Resolution, the President is directed to submit a notice of intent to the California Department of Water Resources, pursuant to California Water Code section 10723.8(a).

PASSED AND ADOPTED this July 13, 2016.

CERTIFICATE OF SECRETARY

The undersigned hereby certifies that I am the Secretary of Madera Water District and that the foregoing Resolution was authorized by the Board of Directors of said District at a meeting thereof, duly and regularly held on July 13, 2016, at which meeting a quorum of the Board of Directors was at all times present and acting.

IN WITNESS THEREOF, I have set my hand this July 13, 2016.


Pat Henry, Secretary

“EXHIBIT D”

LIST OF INTERESTED PARTIES

EXHIBIT D

Interested Parties

Madera Water District (MWD) has identified the following interested parties as defined in Water Code Section 10723.2. It is anticipated that the list may be modified and amended during GSP development. MWD will consider all beneficial uses and users of groundwater within the Madera Subbasin, as well as others responsible for developing GSPs within the Subbasin and, as appropriate, within adjacent subbasins that are hydrogeologically connected. MWD will solicit feedback and engage with interested parties during GSP development. Interested parties include, but are not limited to the following:

A. Holders of overlying groundwater rights, including:

1. Agriculture users

MWD is comprised of several agriculture landowners that rely on MWD groundwater wells for irrigation. There are no private irrigation wells within the service area of the District. Approximately 2,183 net acres of MWD are subordinately annexed into Madera Irrigation District (MID).

2. Domestic users

There is one domestic well within MWD's service area located at a residence of a landowner.

B. Municipal well operators

There are no municipal well operators within MWD's service area.

C. Public water systems

There are no public water systems within MWD's service area.

D. Local land use planning agencies

Madera County is the local planning agency with authority covering MWD's service area.

E. Environmental users of groundwater

There are no environmental users of groundwater within MWD's service area.

F. Surface water users

Dry Creek runs through the MWD service area but there is no hydrologic connection between surface and groundwater flows. There are no other surface water features adjacent to or within the MWD's service area.

G. The federal government, including, but not limited to, the military and managers of federal lands.

There are no Federal Lands within MWD's service area.

H. California Native American Tribes

There are no California Native American Tribes within MWD's service area.

I. Disadvantaged communities

There are no disadvantaged communities within MWD's service area.

J. Entities listed in Water Code section 10927 that are monitoring and reporting groundwater elevations in all or a part of a groundwater Basin managed by the GSA.

MWD is a member of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority. The agencies in these organizations include the City of Madera, County of Madera, and local water agencies including Gravelly Ford Water District, Root Creek Water District, Madera Irrigation District, and Aliso Water District. The Madera-Chowchilla CASGEM group currently covers the MWD service area and The San Luis & Madera Water Authority is the CASGEM monitoring entity for the Madera Subbasin.

**APPENDIX 1.E. GRAVELLY FORD WATER DISTRICT'S
GROUNDWATER SUSTAINABILITY AGENCY FORMATION NOTICE**

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento



GRAVELLY FORD WATER DISTRICT

18811 Road 27 · Madera, CA 93638 (559) 474 ·1000 Fax: (559) 673 ·1086

Board of Directors

Steven Emmert, Pres.
Seth Kirk, V. Pres.
Kenneth Basila
Diane Kirk
Paul Stewart

Manager

Don Roberts

July 7, 2016

Via Email & U.S. Mail

Mr. Mark Nordberg, GSA Project Manager
Senior Engineering Geologist
California Department of Water Resources
901 P Street, Room 213-B
P.O. Box 942836
Sacramento, CA 94236
Mark.Nordberg@water.ca.gov

Mr. Dane Mathis
Sup. Engineering Geologist
3374 East Shields Avenue
Fresno, CA 93726
Dane.Mathis@water.ca.gov

Mr. Mike McKenzie
Senior Engineering Geologist
3374 East Shields Avenue
Fresno, CA 93726
Charles.McKenzie@water.ca.gov

RE: Notice of the Gravelly Ford Water District's Intent to Serve as Groundwater Sustainability Agency for a Portion of the Madera Subbasin

To Whom it May Concern,

This letter constitutes notice to the Department of Water Resources (DWR) of Gravelly Ford Water District's (GFWD or District) intent to undertake sustainable groundwater management in a portion of the Madera Subbasin (Basin) as a Groundwater Sustainability Agency (GSA) pursuant to the Sustainability Groundwater Management Act (SGMA). GFWD is a public agency, established by the State Legislature as a Special Act District, and is eligible to serve as a GSA. This notice of intent is timely filed within 30 days of the date GFWD's Board of Directors (Board) approved its June 8, 2016 resolution electing to serve as a GSA.

This notice also includes all information requires to be submitted pursuant to Section 10723.8(a) of the Water Code. This notice encloses a map depicting GFWD's proposed GSA management area. (Water Code, § 10723.8, subd. (a)(1).) GFWD's proposed management area follows the boundary of the District and land owned by the District. The District's resolution electing to form a GSA is also enclosed.¹ (Id., subd. (a)(2).) Also attached to the resolution is the "Proof of Publication" for public noticing. No new bylaws, ordinances, or other new authorities were adopted in connection with this resolution to serve as a GSA. (Id., subd. (a)(3).)

Pursuant to Section 10723.8(a)(4) of the Water Code, the following is a list of "interested parties developed pursuant to [Water Code] Section 10723.2 and an explanation of how their interests will be considered in the development and operation of the groundwater sustainability agency and the development and implementation of the [District's] sustainability plan."

Specifically, Section 10723.2 of the Water Code requires a GSA to "consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing GSPs," including the following interests:

(a) Holders of overlying groundwater rights, including:

(1) Agricultural users.

- The Gravelly Ford Water District encompasses approximately 8,300 acres, of which, approximately 8,000 acres are agriculture. As GFWD is a conjunctive use District, most of agricultural users in the District are also groundwater users. GFWD has preexisting relationships with these landowners.

(2) Domestic Well owners.

- Most rural domestic well owners are also agricultural landowners and will be considered by the District.

(b) Municipal well operators.

- There are no municipal wells within the GFWD boundary.

(c) Public water systems.

- There are no Public Water Systems within the GFWD boundary.
-

¹ The District did not adopt any new bylaws, ordinances, or new authorities that are applicable to this notice.

(d) Local land use planning agencies.

- County of Madera. The County of Madera and GFWD are members of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority and will coordinate and cooperate through those processes.

(e) Environmental users of groundwater.

- Not applicable.

(f) Surface water users, if there is a hydrologic connection between surface and groundwater bodies.

- Not applicable. Within GFWD's boundary, the only surface water users are supplied by GFWD and described above.

(g) The federal government, including, but not limited to, the military and managers of federal lands.

- There are no federal lands within the District.

(h) California Native American Tribes.

- There are no lands of California Native American Tribes within the District.

(i) Disadvantaged communities, including, but not limited to, those served by private domestic wells or small community water systems.

- Madera County is considered by DWR as a county with a countywide median household income of less than 80%, GFWD is located entirely within Madera County. There are no Disadvantaged Communities within or adjacent to the Gravelly Ford Water District. The District will coordinate with the County of Madera on any areas that in the future may be considered Disadvantaged Communities within or adjacent to the District. The County of Madera and GFWD are both members of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority.

(j) Entities listed in Section 10927 that are monitoring

- GFWD is a member of the Madera Subbasin GSA Formation Committee and the Madera Groundwater Authority. The agencies in these organizations include the Madera Irrigation District, City of Madera, County of Madera, and local water agencies including Gravelly Ford Water District, Root Creek Water District, Madera

Water District, and Aliso Water District. Agencies from the Chowchilla Subbasin and Delta Mendota Subbasin also participate including Columbia Canal Company, Chowchilla Water District, and the City of Chowchilla.

Interested parties will have several opportunities, both formally and informally, to provide input to GFWD throughout the process of developing, operating, and implementing the GSA including, but not limited to, public comment periods required by SGMA, opportunities for public comment during the GFWD's regular and special board meetings, and at other times to be determined and noticed pursuant to Water Code section 10727.8(a).

If you should have any further questions, please feel free to contact me at 559-474-1000.

Sincerely,

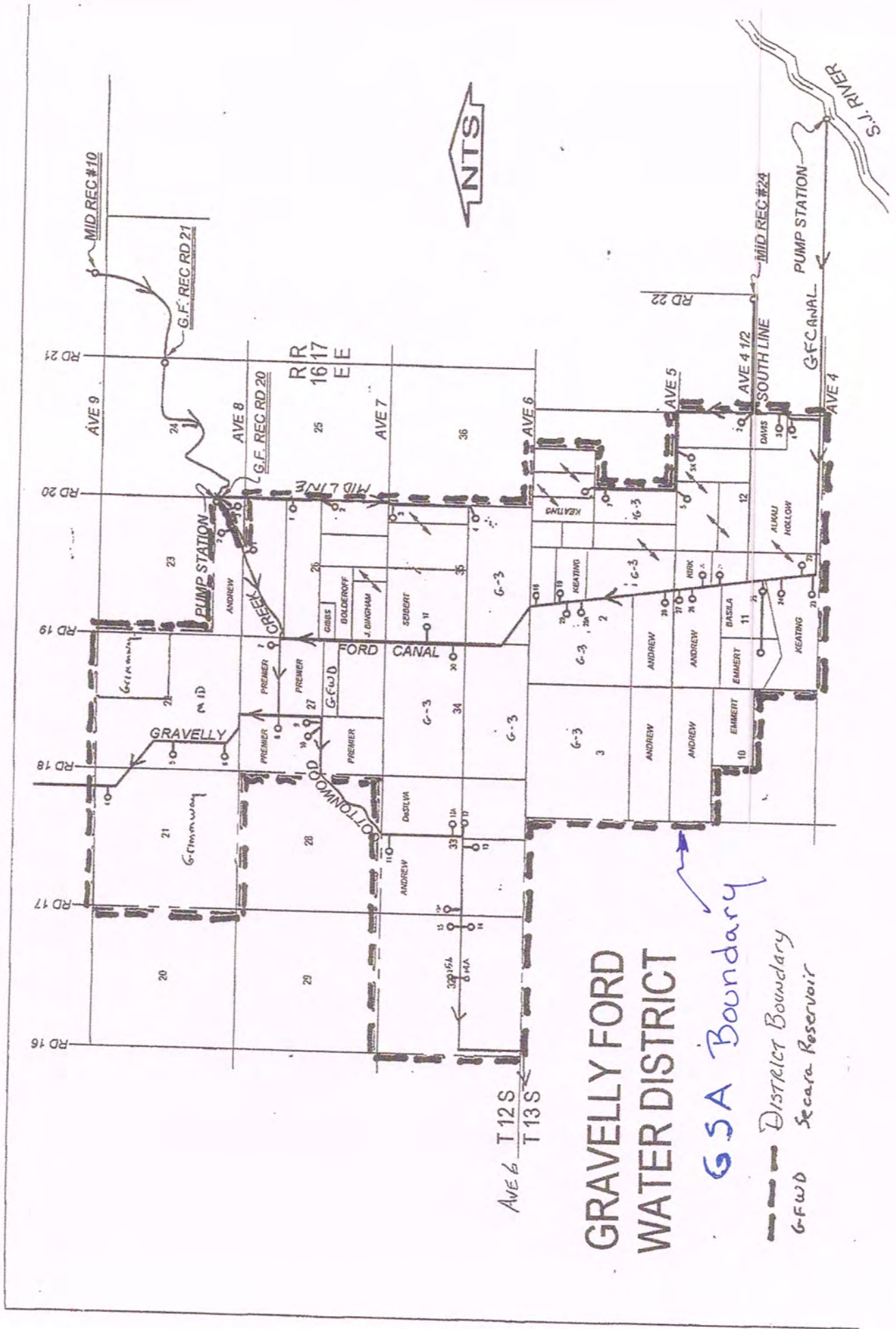


Don Roberts, PE
General Manager

Enclosure

“EXHIBIT A”

GSA Boundary Map

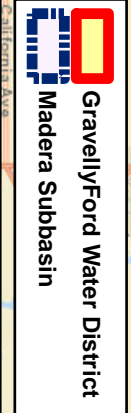


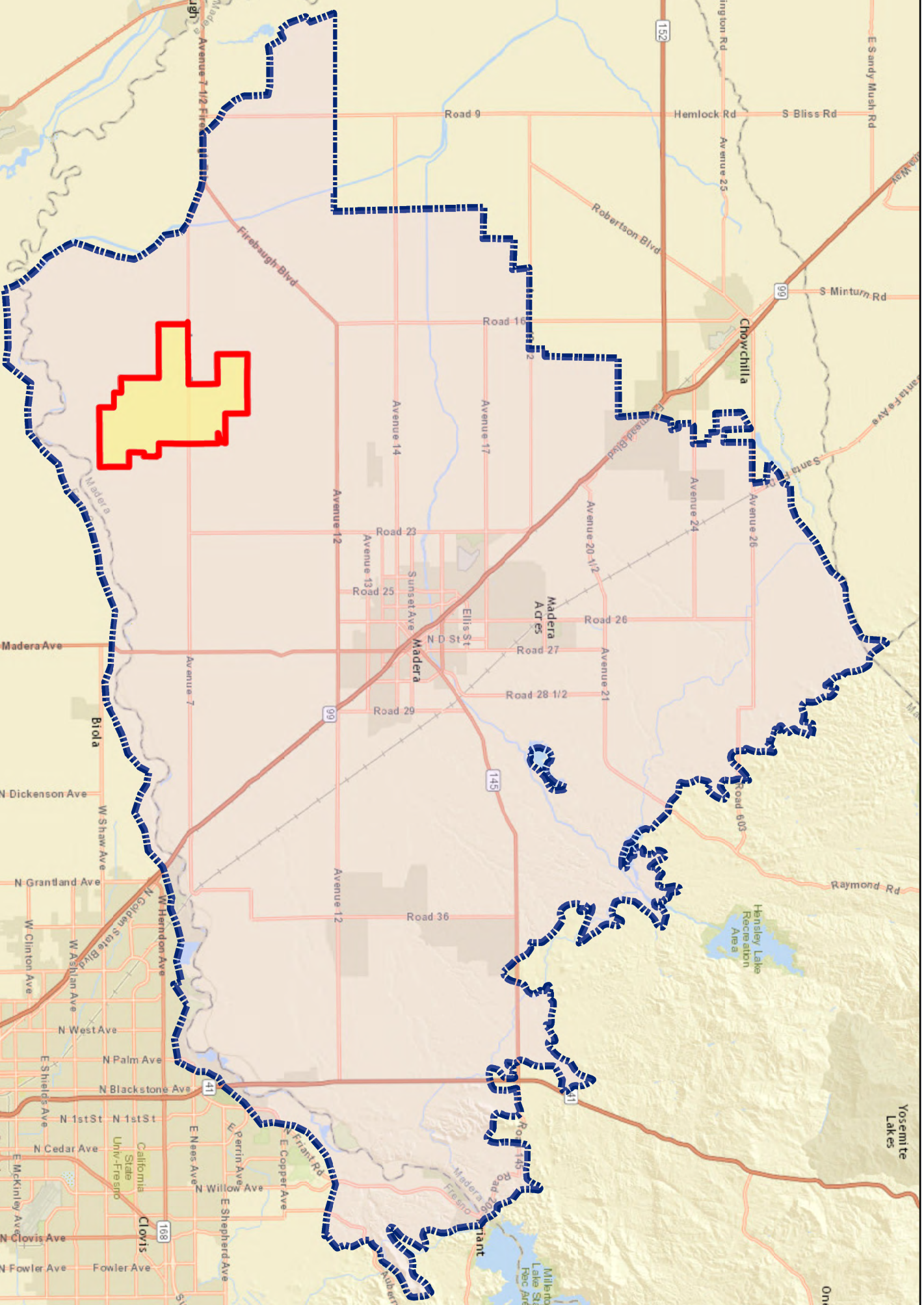
GRAVELLY FORD WATER DISTRICT

GSA Boundary

District Boundary
Secara Reservoir

Ave 6 T 12 S
T 13 S


 Gravelly Ford Water District
 Madera Subbasin



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri
 ©Infat(Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS
 User Community

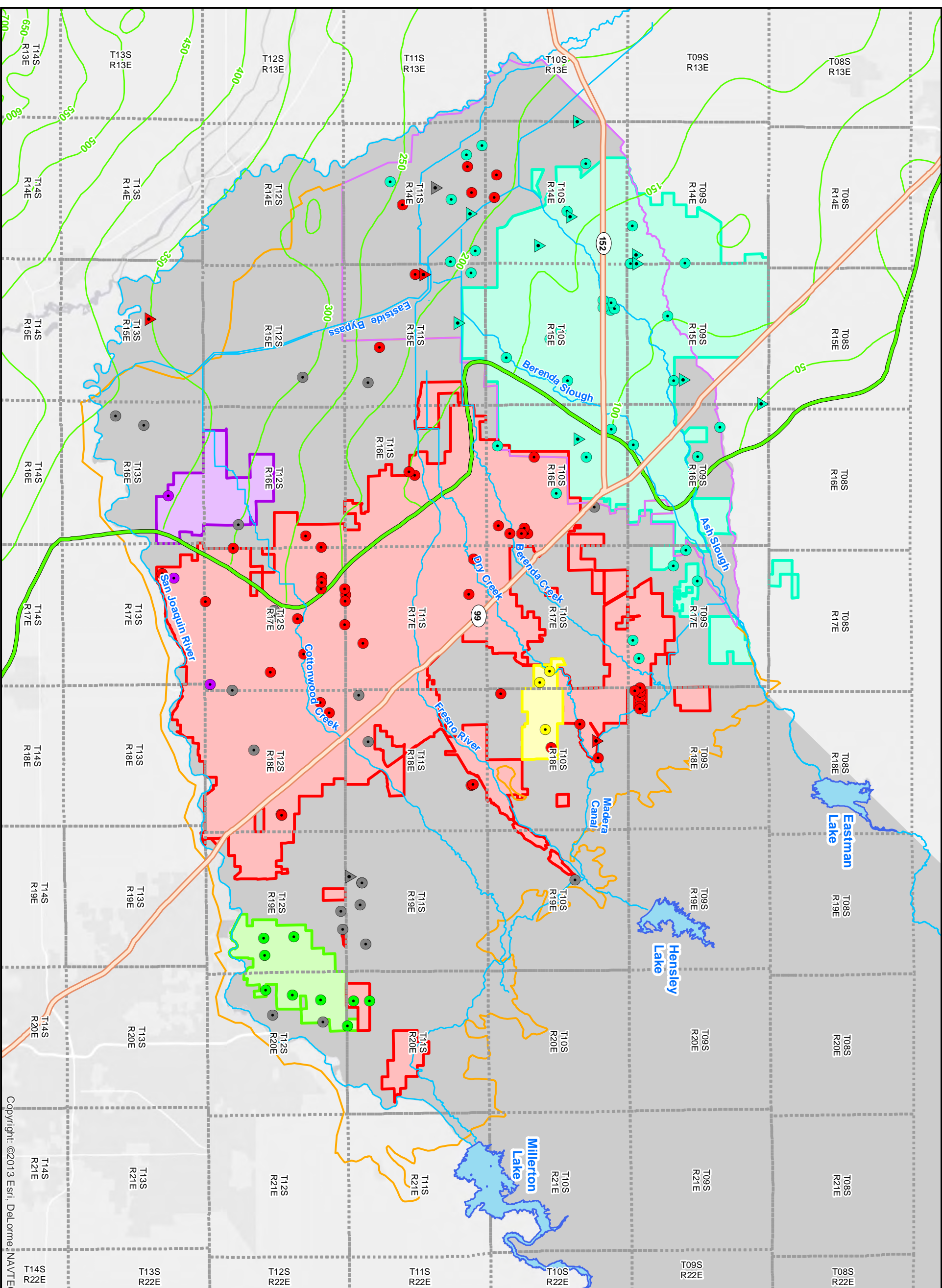
Madera-Chowchilla CASGEM Group Well Location Map

Legend

- Chowchilla Water District (CWD)
- Gravelly Ford Water District (GFWD)
- Madera County Boundary
- Madera Irrigation District (MID)
- Madera Water District (MWD)
- Root Creek Water District (RCWD)
- CWD - CASGEM Well
- CWD - Voluntary Well
- GFWD - CASGEM Well
- Madera County - CASGEM Well
- Madera County - Voluntary Well
- MID - CASGEM Well
- MID - Voluntary Well
- MWD CASGEM Well
- RCWD CASGEM Well
- Waterways
- Corcoran Clay Elevation Below Ground Surface
- Corcoran Clay Extent
- Chowchilla Subbasin
- Madera Subbasin
- Township & Range
- CASGEM Boundary



Date: 7/29/2015
Author: Ramon E Mendez



“EXHIBIT B”
PROOF OF PUBLICATION

Proof of Publication

(2015.5 C.C.P.)

NOTICE OF PUBLIC HEARING

GRAVELLY FORD WATER DISTRICT

STATE OF CALIFORNIA)
) ss.
County of Madera)

I am a citizens of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Madera Tribune, a newspaper of general circulation, published in the City of Madera, County of Madera, and which newspaper has been adjudged a newspaper of General circulation by the Superior Court of the County of Madera, State of California, under the date of November 9, 1966, Case Number 4875 that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

April 30, May 7, 2016

I certify or declare) under penalty of perjury that the foregoing is true and correct.

Signature
7/7/16
Date _____

GRAVELLY FORD WATER DISTRICT
Notice of Public Hearing
Election to become a Groundwater Sustainability Agency under the Sustainable Groundwater Management Act

NOTICE IS HEREBY GIVEN that, pursuant to Water Code Section 10723, the Gravelly Ford Water District ("District") will hold a public hearing during a regular meeting on May 11, 2016, commencing at 1:30 p.m. at the Madera Irrigation District's office at 12152 Road 28 1/4, Madera, CA, to determine whether the District will become a Groundwater Sustainability Agency (GSA) for a portion of the Madera Subbasin of the San Joaquin Valley Groundwater Basin. Written comments may be submitted to the District Office at 18811 Rd 27 Madera, CA 93638 Attn: Don Roberts, Board Deputy Secretary, or to the District at donroberts717@gmail.com, no later than 4:00 p.m. on May 10, 2016.

During the hearing, the District will allow oral comments and will receive additional written comments before making a decision. The President of the Board may limit oral comments to a reasonable length.
Dated: April 26, 2016
Don Roberts, General Manager

Publish Dates: April 30 and May 7, 2016
No. 2881 - April 30, May 7, 2016

SENT TO ALL LANDOWNERS &
WATER USERS



GRAVELLY FORD WATER DISTRICT

18811 Road 27 · Madera, CA 93638 (559) 474-1000 Fax: (559) 673-1086

May 2, 2016

Board of Directors

Steven Emmert, Pres.
Seth Kirk, V. Pres.
Kenneth Basila
Diane Kirk
Paul Stewart

Manager

Don Roberts

CALIFORNIA'S SUSTAINABLE GROUNDWATER MANAGEMENT ACT AND GRAVELLY FORD WATER DISTRICT'S INVOLVEMENT

GRAVELLY FORD WATER DISTRICT (DISTRICT)

- GFWD has scheduled a public hearing at 1:30 PM on Wednesday, May 11, 2016 at the Board Room of Madera Irrigation District, 12152 Rd 28½, Madera, CA 93637, to determine whether the District will become the Groundwater Sustainability Agency (GSA) for a portion of the Madera Subbasin for areas within the District's jurisdiction (See Legal Notice).

CALIFORNIA'S SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)

• State Level

- On September 16, 2014, Gov. Jerry Brown signed into law a three-bill legislative package related to groundwater in the State of California. This three-bill legislation is known as the Sustainable Groundwater Management Act of 2014 (SGMA). The SGMA provides a framework for sustainable management of groundwater supplies by local authorities, with a limited role of state intervention only if necessary to protect the resource. The act requires the formation of local groundwater sustainability agencies (GSAs) that must assess conditions in their local water basins and adopt locally-based management plans.

MADERA GROUNDWATER JOINT POWERS AUTHORITY (JPA)

• County Level

- The Madera Groundwater Authority's goal is "to provide for the conjunctive use of groundwater and surface water within the represented groundwater basins to ensure the reliability of a long-term water supply to meet current and future beneficial uses through the development of a coordinated and comprehensive regional approach to the monitoring, evaluation and management of groundwater resources."

- Formed December 21, 2014.

- Member Agencies: Madera Irrigation District, Madera County, City of Madera, Aliso Water District, Gravelly Ford Water District, Root Creek Water District, City of Chowchilla, Chowchilla Water District, and Madera Water District.

MADERA SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY (GSA)

•Subbasin Level

- The position of the Committee at this time is a multiple GSA, one Groundwater Sustainability Plan (GSP) Structure.

- Subject to the outcome of the hearing on May 11, 2016, the District plans to file with the Department of Water Resources (DWR) to become a GSA for areas within its jurisdiction.

- Formation Committee Member Agencies: Madera Irrigation District, Madera County, City of Madera, Aliso Water District, Gravelly Ford Water District, Root Creek Water District, Madera Water District, and New Sone Water District.

GRAVELLY FORD WATER DISTRICT (GFWD)

• District Level

- GFWD is an integral member of the Madera Groundwater JPA and Madera Subbasin GSA Formation committee. The District is a member of the Madera-Chowchilla Basin Regional Groundwater Monitoring Plan which achieved California Statewide Elevation Monitoring Program (CASGEM) compliance in September 2015.

- GFWD plans to file with the Department of water Resources (DWR) to become a GSA for areas within its jurisdiction.

WHAT YOU CAN DO

• Landowner Level

- Become educated on the State's legislation and requirements.
- Participate in the CASGEM program by providing GFWD or another local agency with a signed well consent letter and well log to help ensure CASGEM compliance.

- Ask questions and discuss your concerns with agency Directors and Staff.

- Stay informed - attend Board Meetings, JPA meetings and other agency meetings to understand what is happening related to groundwater in Madera County.

“EXHIBIT C”
RESOLUTION

**GRAVELLY FORD WATER DISTRICT
RESOLUTION NO. 2016-05**

**RESOLUTION OF THE BOARD OF DIRECTORS,
GRAVELLY FORD WATER DISTRICT
ELECTION TO SERVE AS GROUNDWATER SUSTAINABILITY AGENCY**

RESOLVED by the Board of Directors ("Board") of the Gravelly Ford Water District ("District"), at a regular meeting duly called and held on May 11, 2016, at the business office of the Madera Irrigation District, 12152 Road 28 1/4, Madera, California 93637 as follows:

WHEREAS, the Sustainable Groundwater Management Act of 2014, Water Code sections 10720-10737.8 ("SGMA") was signed into law on September 16, 2014; and

WHEREAS, SGMA requires that each California groundwater basin or subbasin be managed by a Groundwater Sustainability Agency ("GSA"), or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan ("GSP") or multiple GSPs; and

WHEREAS, the District's service area overlies a portion of the subbasin of the San Joaquin Valley Groundwater Basin known as a portion of the Madera Subbasin (Basin No. 5-22.06 in the Department of Water Resources' CASGEM system), an unadjudicated groundwater basin overlying a portion of Madera County (the "Basin"); and

WHEREAS, the District is a local public agency as defined in section 10721 of the Water Code; and

WHEREAS, the District is authorized to be a GSA for a portion of the Basin pursuant to section 10723(a) of the Water Code; and

WHEREAS, notice a public hearing to consider whether the District should become a GSA for a portion of the Basin, a copy of which is attached hereto as Exhibit "A," was published in the Madera Tribune on April 30, 2016, and May 7, 2016, pursuant to section 6066 of the Government Code and section 10723(b) of the Water Code; and

WHEREAS, the District had provided notice by mail via U.S. Postal Service to all landowners and water users within Gravelly Ford Water District of said Public Hearing; and

WHEREAS, the District received no comments or communications either written, email, telephone or in person in response objecting to such proposed Election for the District to serve as Groundwater Sustainability Agency; and

WHEREAS, the District has made a good faith effort to provide courtesy copies of the hearing notice to the Basin's other potential GSAs, including the board of supervisors of Madera County, the City of Madera, and other districts that overlie the Basin; and

WHEREAS, the District held a public hearing at which its Board of Directors considered whether the District should become a GSA for the Basin; and

WHEREAS, it would be in the best interest of the District to become a GSA for a portion of the subbasin; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Gravelly Ford Water District do order as follows:

1. The District hereby elects to be the exclusive Groundwater Sustainability Agency for the portion of the Madera Subbasin that is shown on the map attached hereto as Exhibit "B" and incorporated herein by reference.
2. Within 30 days of the date of this Resolution, the General Manager is directed to submit a notice of intent to the Department of Water Resources, pursuant to Water Code section 10723.8(a).
3. The General Manager shall, after complying with Water Code section 10727.8, begin the process of developing the Groundwater Sustainability Plan for the Basin in accordance with all applicable statutes and regulations in partnership with other GSAs in the Basin.
4. The General Manager shall create and maintain a list of persons interested in receiving notices concerning the District's SGMA process pursuant to section 10723.4 of the Water Code.
5. The General Manager shall provide regular progress reports on the SGMA implementation process to the Board.

THE FOREGOING RESOLUTION WAS DULY AND REGULARLY ADOPTED by the Board of Directors of the Gravelly Ford Water District, at a regular meeting of the Board held on the 8th day of June, 2016, by the following vote:

AYES: Directors J Kirk, K Basila, P Stewart, D Kirk, S Emmert
NOES: NONE
ABSENT: NONE
ABSTAIN: NONE

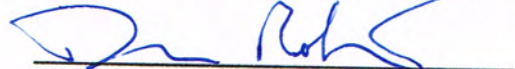


Steven Emmert
Steven Emmert, President

ATTEST: Kenneth Basila
Kenneth Basila, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Gravelly Ford Water District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2016-05 adopted June 8, 2016.



Don Roberts, Deputy Secretary



**APPENDIX 1.F. NEW STONE WATER DISTRICT'S GROUNDWATER
SUSTAINABILITY AGENCY FORMATION NOTICE**

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

NEW STONE WATER DISTRICT

9500 S. De Wolf
Selma, CA 93662
(559) 834-6677

December 13, 2016

Mr. Mark Nordberg
Sustainable Groundwater Management Program
California Department of Water Resources
901 P Street, Room 213A
P.O. Box 942836
Sacramento, California 94236-0001
Mark.norberg@water.ca.gov

Mr. Mike McKenzie
Senior Engineering Geologist
South Central Region
California Department of Water Resources
3374 East Shields Avenue
Fresno, CA 93726
Charles.McKenzie@water.ca.gov

RE: Notice of the New Stone Water District's Intent to Serve as Groundwater Sustainability Agency for a Portion of the Madera Subbasin

Dear Mr. Nordberg,

This letter serves as notification to the California Department of Water Resources that the New Stone Water District (NSWD) has elected to become a Groundwater Sustainability Agency (GSA) pursuant to Water Code Section 10723.8(a) and the Sustainable Groundwater Management Act (SGMA) for a portion of the Madera Subbasin, as proposed, of the San Joaquin Valley Basin (Basin) located within the boundary identified in **Exhibit A**. At this time, no other entity has elected to become or has provided notice to the California Department of Water Resources (DWR) of their formation of, or intent to form a GSA to manage aforementioned portions of the Madera Subbasin.

A public hearing was advertised (**Exhibit B**) and then held in the County of the District on December 13th, in which the New Stone Water District Board of Directors allowed public comment and approved a resolution electing to serve as a GSA (**Exhibit C**) for a portion of the Madera Subbasin. No new bylaws, ordinances, or other new authorities were adopted in connection with this resolution to serve as GSA.

The New Stone Water District lies within the Madera Subbasin. The northerly boundary of the NSWD abuts the Chowchilla Subbasin southerly boundary. NSWD anticipates the need to enter

NEW STONE WATER DISTRICT

9500 S. De Wolf
Selma, CA 93662
(559) 834-6677

into intra- and inter-basin agreements to ensure that Groundwater Sustainability Plans (GSPs) are coordinated and satisfy applicable regulations developed under SGMA.

For a detailed list of interested parties and stakeholders, and an explanation of how their interests will be considered in the development and operation of the GSA and development and implementation of the GSP, see **Exhibit D** attached hereto.

Should you have any questions or require additional information with regard to this notice, please contact the District's representative, Roger Skinner at (559) 834-6677.

Regards,

A handwritten signature in black ink, appearing to read "Jeff Lion", is written over a horizontal line.

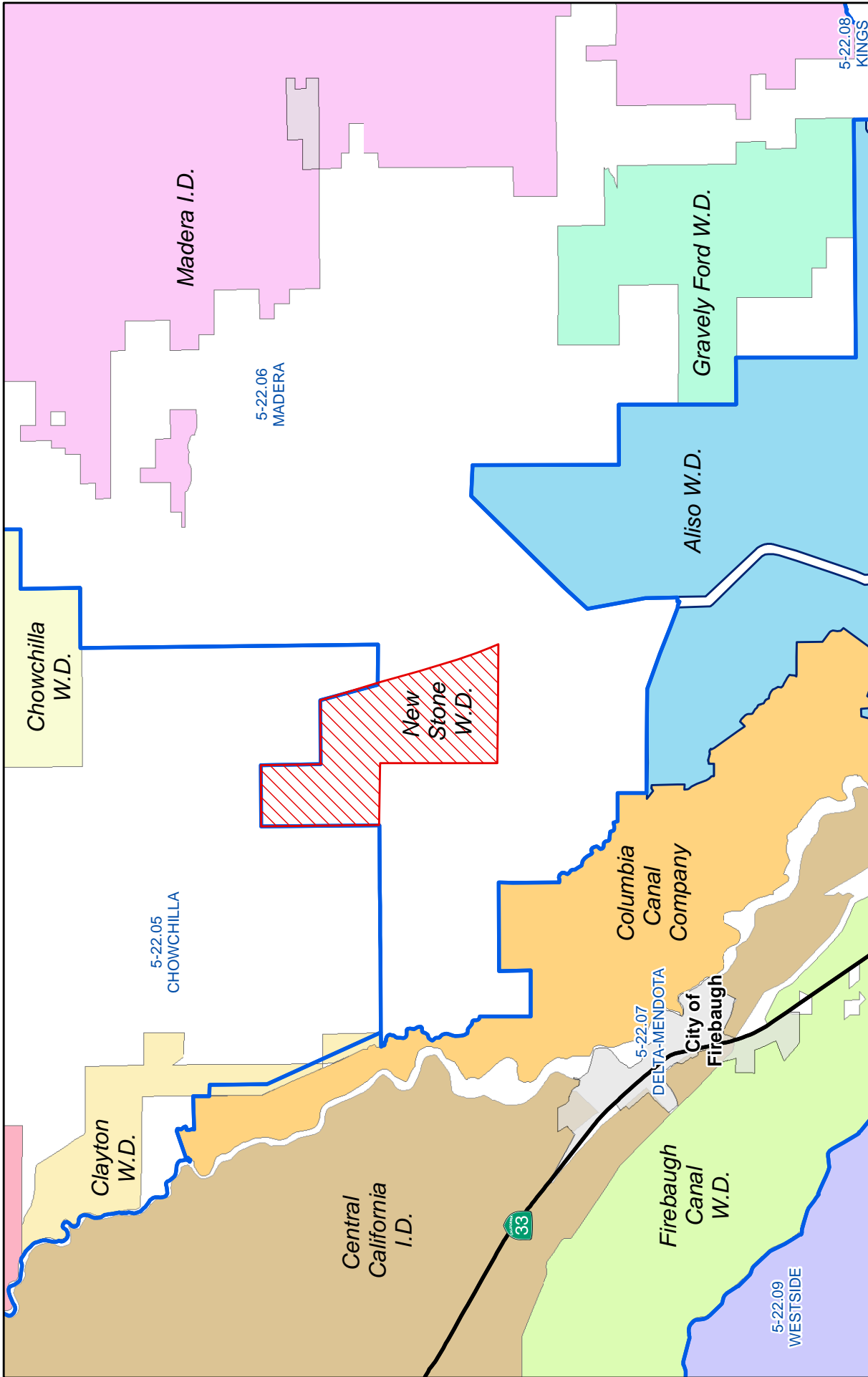
Jeff Lion
Board President

Attachments

- Exhibit A: Map of GSA Boundaries (GIS shape file to follow)
- Exhibit B: Notice of Public Hearing pursuant to Water Code 10723(b)
- Exhibit C: Resolution
- Exhibit D: List of Interested Parties per Water Code 10728.8(a)

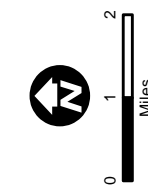
“EXHIBIT A”

GSA Boundary Map



New Stone Water District GSA

-  New Stone GSA
-  CA DWR Bulletin 118 Groundwater Subbasin (2016)
-  City



EST. 1968
PROVOST & PRITCHARD
 CONSULTING GROUP
 An Employee Owned Company

“EXHIBIT B”
PROOF OF PUBLICATION

Proof of Publication

(2015.5 C.C.P.)

NOTICE OF PUBLIC HEARING

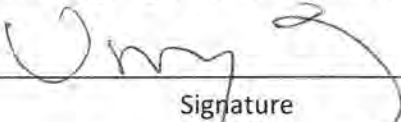
NEW WATER STONE DISTRICT

STATE OF CALIFORNIA)
) ss.
County of Madera)

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Madera Tribune, a newspaper of general circulation, published in the City of Madera, County of Madera, and which newspaper has been adjudged a newspaper of General circulation by the Superior Court of the County of Madera, State of California, under the date of November 9, 1966, Case Number 4875 that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

NOVEMBER 23, 30, DECEMBER 7, 2016

I certify or declare under penalty of perjury that the foregoing is true and correct.



Signature

Date: _____ DECEMBER 7, 2016 _____

NOTICE OF PUBLIC HEARING
NOTICE IS HEREBY GIVEN that the Board of Directors of the New Stone Water District will hold a public hearing during its board meeting on December 13, 2016, at 3:00pm at the New Stone Ranch Shop Facility, 12555 Road 9, Madera, CA 93637. The purpose of this Public Hearing is to accept public testimony regarding the proposal that the New Stone Water District act as the Groundwater Sustainability Agency under Water Code Section 10723 for the portion of the Madera Groundwater Sub-basin within the New Stone Water District, prior to the board adopting a resolution. The hearing is open to the public and any person present will have the opportunity to be heard. For further information regarding this matter, please contact the District representative, Roger Skinner, at (559) 834-6677.
No. 4270 - Nov 23, 30, Dec. 7, 2016

“EXHIBIT C”
RESOLUTION

RESOLUTION NO. 2016-02

**RESOLUTION OF THE BOARD OF DIRECTORS
OF NEW STONE WATER DISTRICT**

**REGARDING THE NEW STONE WATER DISTRICT DECLARING ITS INTENTION TO
BECOME A GROUNDWATER SUSTAINABILITY AGENCY UNDER THE SUSTAINABLE
GROUNDWATER MANAGEMENT ACT FOR A PORTION OF THE MADERA SUBBASIN OF
THE SAN JOAQUIN VALLEY GROUNDWATER BASIN**

WHEREAS, the Sustainable Groundwater Management Act of 2014 (“SGMA”), signed into law on September 16, 2014, requires that each California groundwater basin or subbasin be managed by a Groundwater Sustainability Agency (“GSA”), or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan (“GSP”) or multiple GSPs; and

WHEREAS, the SGMA authorizes any local agency overlying the Basin to elect to become a GSA within the Basin; and

WHEREAS, the New Stone Water District (District) is a local agency as defined under SGMA and is therefore eligible to serve as a GSA within the Basin; and

WHEREAS, prior to GSA formation, as outlined in the California Water Code, a public hearing must take place after which the District can adopt a Resolution to form a GSA; and

WHEREAS, the District held a public hearing on December 13, 2016 at 3:00 PM after publication of Notice pursuant to Government Code section 6066 to consider the adoption of this Resolution; and

WHEREAS, the District wishes to exercise the powers and authorities of a GSA granted by the SGMA;

NOW, THEREFORE, BE IT RESOLVED THAT;

1. The New Stone Water District hereby elects to be the exclusive Groundwater Sustainability Agency for the portion of the Madera Subbasin within the jurisdictional boundaries of the District.
2. Within 30 days of this Resolution, the Board President is directed to submit a notice of intent to the California Department of Water Resources, pursuant to California Water Code section 10723.8(a)

PASSED AND ADOPTED this 13th day of December, 2016.

CERTIFICATE OF SECRETARY

The undersigned hereby certifies that I am the Secretary of New Stone Water District and that the foregoing Resolution was authorized by the Board of Directors of said District at a meeting thereof, duly and regularly held on December 13, 2016, at which meeting a quorum of the Board of Directors was at all times present and acting.

IN WITNESS THEREOF, I have set my hand this 13th day of December, 2016.

(DISTRICT
SEAL)



Bruce Lion, Secretary

New Stone Water District

“EXHIBIT D”

LIST OF INTERESTED PARTIES

Interested Parties

New Stone Water District (NSWD) has identified the following interested parties as defined in Water Code Section 10723.2. It is anticipated that the list may be modified and amended during GSP development. NSWDC will consider all beneficial uses and users of groundwater within the Madera Subbasin, as well as others responsible for developing GSPs within the Subbasin and, as appropriate, within adjacent subbasins that are hydrogeologically connected. NSWDC will solicit feedback and engage with interested parties during GSP development. Interested parties include, but are not limited to the following:

A. Holders of overlying groundwater rights, including:

1. Agriculture users

NSWD is comprised of several agriculture landowners that rely on groundwater for irrigation and therefore relationships already exist.

2. Domestic users

There are domestic wells within NSWDC's service area located at residences of landowners and landowner employees.

B. Municipal well operators

There are no municipal well operators within NSWDC's service area.

C. Public water systems

There are no public water systems within NSWDC's service area.

D. Local land use planning agencies

Madera County is the local planning agency with authority covering NSWDC's service area.

E. Environmental users of groundwater

There are no environmental users of groundwater within NSWDC's service area.

F. Surface water users

There is no hydrologic connection between surface and groundwater flows.

There is one significant surface water feature adjacent to NSWDC's service area: the Chowchilla Bypass runs along the easterly boundary of the NSWDC GSA service area.

G. The federal government, including, but not limited to, the military and managers of federal lands.

There are no Federal Lands within NSW D's service area.

H. California Native American Tribes

There are no California Native American Tribes within NSW D's service area.

I. Disadvantaged communities

There are no disadvantaged communities within NSW D's service area.

J. Entities listed in Water Code section 10927 that are monitoring and reporting groundwater elevations in all or a part of a groundwater Basin managed by the GSA.

The Madera-Chowchilla CASGEM Group currently covers the NSW D service area.

**APPENDIX 1.G. ROOT CREEK WATER DISTRICT'S GROUNDWATER
SUSTAINABILITY AGENCY FORMATION NOTICE**

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento



DIRECTORS
NICK BRUNO, PRESIDENT
JEFFREY D. COULTHARD, VICE PRESIDENT
ROSEMARY FARRAR
DANNY HOFFMAN
LYNN HOFFMAN
TONI SCARBOROUGH, SECRETARY

BRIAN EHLERS, ENGINEER
(559) 449-2700
BRIAN PARTRIDGE, TREASURER
MIKE CUTTONE, ASST. TREASURER
(559) 261-4300

July 7, 2016

Delivery via E-mail and U.S. Mail

Mark Nordberg, GSA Project Manager
Sustainable Groundwater Management Program
California Department of Water Resources
901 P Street, Room 213-B
P.O. Box 942836
Sacramento, CA 94236
E-Mail: Mark.Nordberg@water.ca.gov

RE: Notice of the Root Creek Water District's Election to Become a
Groundwater Sustainability Agency for a Portion of the Madera Subbasin

Dear Mr. Nordberg:

Pursuant to California Water Code Section 10723.8, under the Sustainable Groundwater Management Act ("SGMA"), the Root Creek Water District, a California water district (the "District") provides this notice to the California Department of Water Resources ("DWR") of its election to become a Groundwater Sustainability Agency ("GSA") and to undertake sustainable groundwater management in a portion of the Madera Subbasin (DWR Subbasin 5-22.06) underlying the District's boundaries as indicated on the map attached hereto as **Exhibit "A-1"** and as described in the legal description attached as **Exhibit "A-2"**.

On June 8, 2016, the District held a noticed public hearing in accordance with California Water Code Section 10723(b). Proof of publication in accordance with Government Code Section 6066 is attached hereto as **Exhibit "B"**.

After holding the public hearing, the District's Board of Directors adopted Resolution Number 2016-17, attached hereto as **Exhibit "C"**, electing to become a GSA over the portion of the Madera Subbasin within the District's boundary. The District intends to work collaboratively with other formed GSAs in the Madera Subbasin to jointly manage groundwater and to develop a Groundwater Sustainability Plan ("GSP"). The District's

Board of Directors is planning to negotiate cooperative agreements with other formed GSAs within the Madera Subbasin for the purpose of implementing a cooperative, coordinated structure for the management of groundwater and the development of a GSP.

Pursuant to California Water Code Section 10723.2, the District shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing a GSP. An initial list of stakeholders and interested parties include, but are not limited to the following:

- a) Holders of overlying groundwater rights, including:
 - 1) Agricultural users – The GSA area is composed almost entirely of agricultural users within the service area boundaries.
 - 2) Domestic well owners – There are domestic wells within the proposed GSA management area on agricultural land within the boundaries of the District. There is also a housing development under construction that will rely entirely on groundwater for its potable water supply.
- b) Municipal well operators – No incorporated cities within the GSA boundary.
- c) Public Water Systems – There is a housing development under construction that will rely entirely on groundwater for its potable water supply, and the public water system is currently being used while the development is under construction.
- d) Local land use planning agencies – County of Madera.
- e) Environmental users of groundwater – None.
- f) Surface water users, if there is a hydrologic connection between surface and groundwater bodies – None.
- g) The Federal Government, including, but not limited to , the military and managers of federal lands – None.
- h) California Native American tribes – None.
- i) Disadvantaged communities, including, but not limited to, those served by private domestic wells or small community water systems – No communities within the GSA.
- j) Entities listed in Water Code section 10927 that are monitoring and reporting groundwater elevations in all or a part of a groundwater basin managed by the groundwater sustainability agency – Madera Regional Groundwater Management Group and Madera County CASGEM.

The Board of Directors of the District is aware of the following other public agencies that have filed to be a GSA within the Madera Subbasin or that are proposing to manage groundwater within the Subbasin: Madera Irrigation District, Gravelly Ford Water District, Madera Water District, and New Stone Water District.

The District intends to work cooperatively with stakeholders to develop and implement a GSP by collaborating with other qualified GSAs in the Madera Subbasin. The District shall maintain a list of interested parties to be included in the formation of a GSP. Interested parties will have opportunities, both formal and informal, to provide input to the District throughout the process of developing, operating, and implementing the GSA and GSP. Such opportunities may include, but are not limited to, public comment during the District's regular and special meetings, and at other times to be determined and noticed pursuant to Water Code Section 10727.8(a).

By this notification, the District has provided DWR with all applicable information in California Water Code Section 10723.8(a).

Sincerely,

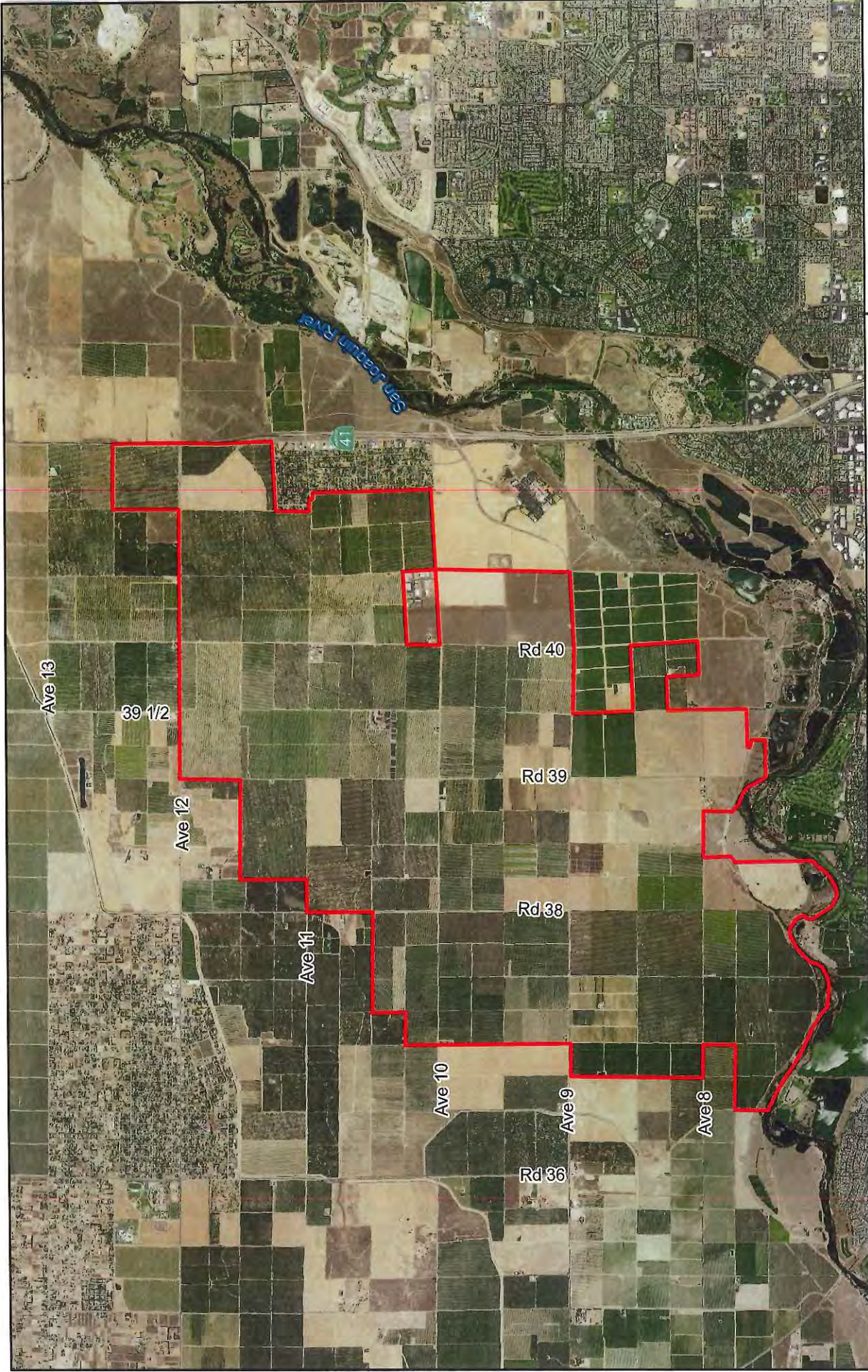


Nick Bruno
President, Root Creek Water District


Attachments: Exhibit "A-1" – Map of GSA
Exhibit "A-2" – Legal Description of GSA boundaries
Exhibit "B" – Proof of publication
Exhibit "C" – District Resolution

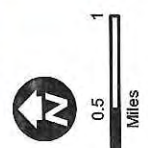
“EXHIBIT A”
GSA Boundary Map

EXHIBIT "A-1"

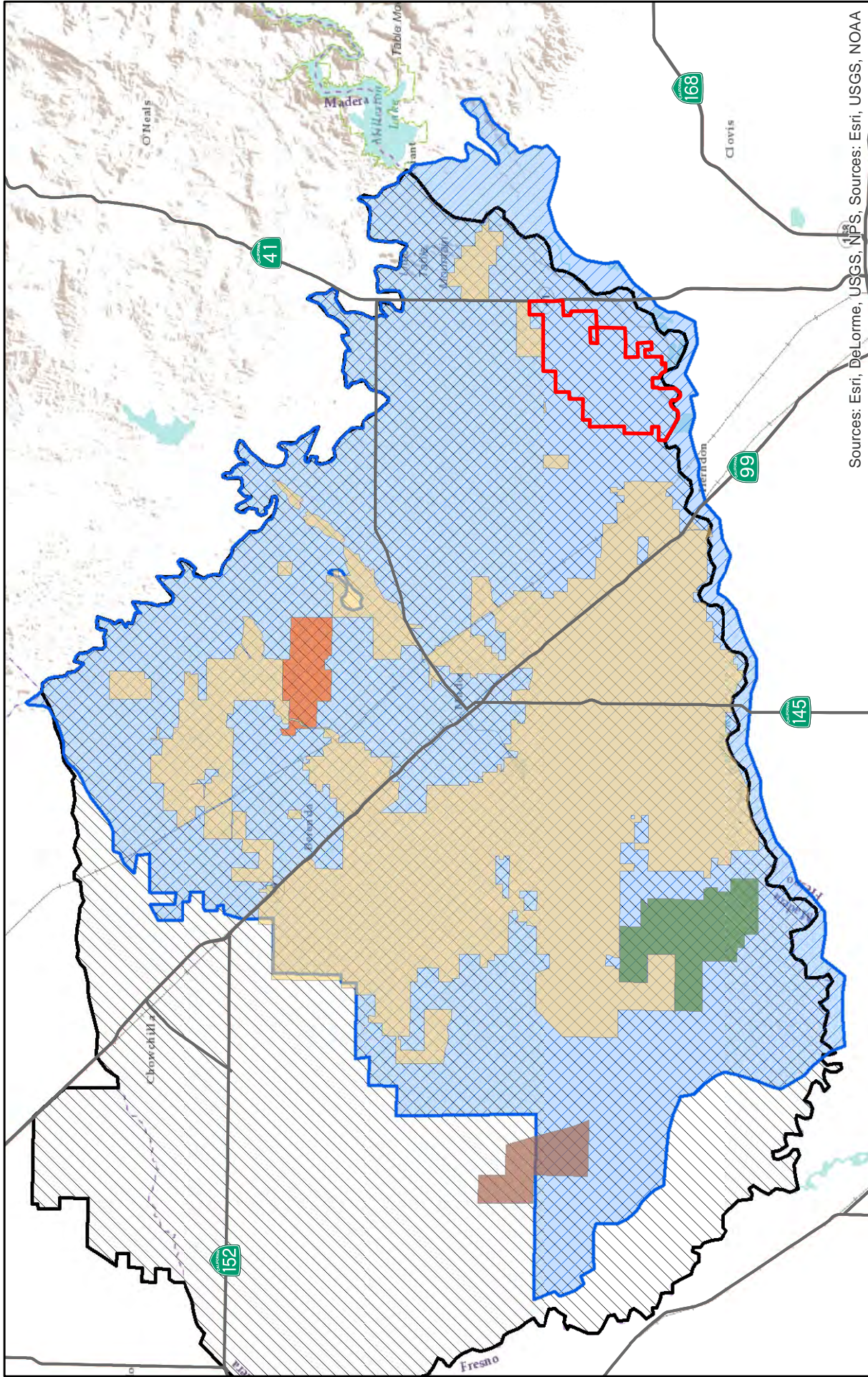


Root Creek Water District
 GSA Formation Boundary

Legend
 Proposed GSA Boundary



EST. 1968
PROVOST & PRITCHARD
 CONSULTING GROUP
 An Employee Owned Company

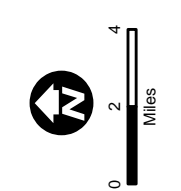


Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA

Root Creek Water District

Groundwater Monitoring Entities

- Legend**
- Proposed GSA Boundary (same as RCWD boundary)
 - Madera W.D. (Proposed GSA Boundary)
 - Madera I.D. (Proposed GSA Boundary)
 - Gravelly Ford W.D. (District Boundary)
 - New Stone W.D. (District Boundary)
 - Madera Groundwater Management Plan Boundary
 - Madera CASGEM Group



EST. 1988
PROVOST & PRITCHARD
 CONSULTING GROUP
 An Employee Owned Company

EXHIBIT "A-2"

Legal Description of Root Creek Water District

That portion of Section 33, T.11S., R.20E., Sections 1, 11, 12, 13, 14, 22, 23, 24, 25, 26, 27, 35 & 36, T.12S., R.19E., & Sections 4, 5, 6, 7, 8, 9, 17, 18, 19, & 30, T.12S, R.20E., M.D.B.&M., described as follows:

Beginning at the North one quarter of said Section 4, said point being on the centerline of State Highway No. 41; thence South along said centerline to the point of intersection with the Easterly prolongation of the North line of Tract No. 67, Rolling Hills Subdivision No. 3, according to the map thereof recorded in Volume 8 of maps at Page 70, Madera County Records; Thence West along said North line & its Easterly prolongation to the Northwest corner of said Tract No. 67; thence South along the West line of said Tract No. 67 to the Southwest corner of said Section 4; thence East along the North line of said Section 9 to the Northwest corner of Tract No. 104, Rolling Hills No. 4, according to the map thereof recorded in Volume 9 of maps at Page 27, Madera County Records; thence South along the West line of said Tract No. 104 to the Southwest corner of said Tract; thence West along the South line of said Section 9 to the Southwest corner thereof; thence West along the South line of said Section 8 to the Southeast corner of the West one half of said Section 8; thence North along the East line of said West one half to the Northeast corner of the South one half of the Southwest one quarter of said Section 8; thence West along the North line of said South one half to the Northwest corner thereof; thence South along the West line of said Section 8 to the Southwest corner thereof; thence East along the North line of the West one half of said Section 17 to the Northeast corner thereof; thence South along the East line of said West one half to the Southeast corner thereof; thence West along the South line of said Section 17 to the Southwest corner thereof; thence West along the North line of the Northeast one quarter of said Section 19 to the Northwest corner thereof; thence South along the West line of said Northeast one quarter to the Southwest corner thereof; thence East along the South line of said Northeast one quarter to the Southeast corner thereof; thence South along the East line of said Section 19 to the Southeast corner thereof; thence West along the South line of said Section 19 to the Southeast corner of the Southwest one quarter of the Southeast one quarter of said Section 19; thence North along the East line of said Southwest one quarter to the Northeast corner thereof; thence West along the North line of said Southwest one quarter to the Northwest corner thereof; thence South along the West line of said Southwest one quarter to the Southwest corner thereof; thence South along the East line of the Northwest one quarter of said Section 30 and the East line of Lot 3 of Walker Ranch according to the map thereof recorded in Volume 4 of maps at Page 51, Madera County Records, to the point of intersection with a line parallel with & 200 feet North of the South line of said Lot 3; thence West along said parallel line a distance of 1,524 feet; thence South at right angles to a point on the South line of said Lot 3; thence Southeasterly along the Southwesterly line of said Lot 3 to the Northeast corner of Lot 8 of said Walker Ranch; thence South along the East line of said Lot 8 to the Southeast corner thereof; thence West along the South line of said Lot 8 & its Westerly prolongation to a point on the East line of said Section 25; thence S 0° 49' 26" E along said East line a distance of 606.85 feet to a point on the centerline of the San Joaquin River; thence Westerly along said centerline of a point which lies Southeasterly at right angles to said centerline from the Southeast corner of Lot C of Springer Estate according to the map thereof recorded in Volume 5 of maps at Page 40, Madera County Records; thence Northwesterly to said

Southeast corner; thence Northerly along the East line of said Lot C to the Northeast corner thereof; thence West along the North line of said Lot C to the Northwest corner thereof; thence Southerly along the West line of said Lot C to the Southwest corner thereof; thence Southeasterly at right angles to the centerline of the San Joaquin River to a point on said centerline; thence Westerly along said centerline to a point on the West line of the East one half of said Section 27; thence North along said West line to the Southwest corner of the North one half of the Northeast one quarter of said Section 27; thence West along the South line of said North one half to the Southeast corner thereof; thence North along the East line of said Section 27 to the Northeast corner thereof; thence West along the South line of said Section 22 to the Southwest corner of the East one half of the East one half of said Section 22; thence North along the West line of said East one half of the East one half to the Northwest corner thereof; thence East along the North line of said Section 22 to the Northeast corner thereof; thence North along the West line of said Section 14 to the Northwest corner thereof; thence North along the West line of the South one half of the Southwest one quarter of said Section 11 to the Northwest corner thereof; thence East along the North line of said South one half to the Southwest corner of the Northeast one quarter of the Southwest one quarter of said Section 11; thence North along the West line of said Northeast one quarter to the Northwest corner thereof; thence East along the North line of the South one half of said Section 11 to the Northeast corner thereof; thence North along the West line of said Section 12 to the Northwest corner thereof; thence East along the South line of said Section 1 to the Southwest corner of the South one half of the East three quarters of said Section 1; thence North along the West line of said South one half of the East three quarters to the Northwest corner thereof; thence East along the North line of said South one half to the Northeast corner thereof; thence North along the West line of said Section 6 to the Northwest corner thereof; thence East along the North line of said Sections 4, 5 & 6 to the Southeast corner of said Section 33; thence North along the West line of the Southwest one quarter of said Section 33 to the Northwest corner thereof; thence East along the North line of said Southwest one quarter to the Northeast corner thereof; thence South along the East line of said Southwest one quarter to the POINT OF BEGINNING.

“EXHIBIT B”

PROOF OF PUBLICATION

Proof of Publication
(2015.5 C.C.P)

PUBLIC HEARING

WATER CODE

JUNE 8, 2016

STAT OF CALIFORNIA)
) ss.

County of Madera)

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Madera Tribune, a newspaper of general circulation, published in the City of Madera, County of the Madera, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Madera, State of California, under the date of November 9, 1966, Case Number 4875 that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

May 21, 28 2016

I Certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature

Date: May 28, 2016

NOTICE OF PUBLIC HEARING

Notice is hereby given pursuant to Section 10723(b) of the California Water Code and Section 6086 of the California Government Code, that beginning at 1:00 pm, June 8, 2016, a public hearing will be held by the Board of Directors (Board) of the Root Creek Water District (District) at S & J Ranches, LLC, 39639 Avenue 10, Madera, California 93636.

The purpose of the public hearing will be to hear comments from the public regarding the District's proposed formation of a Sustainable Groundwater Agency (GSA) within its boundaries in the Madera Subbasin.

After the public hearing, the Board may choose to adopt a Resolution of intent to become a GSA and to submit notification to the California Department of Water Resources, which shall be posted pursuant to California Water Code Section 10733.3, and will include a description of the proposed boundaries of the portions of the subbasin the District intends to manage pursuant to the Sustainable Groundwater Management Act.

Additional information may be obtained by calling the District at (559) 326-2222, during regular business hours.
No. 2941 - May 21 & 28, 2016

“EXHIBIT C”

ROOT CREEK WATER DISTRICT

RESOLUTION NO. 2016-17

ROOT CREEK WATER DISTRICT

RESOLUTION NO. 2016-17

RESOLUTION OF THE ROOT CREEK WATER DISTRICT DECLARING ITS INTENTION TO BECOME A GROUNDWATER SUSTAINABILITY AGENCY UNDER THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT FOR THE PORTIONS OF THE MADERA SUBBASIN WITHIN THE BOUNDARIES OF THE ROOT CREEK WATER DISTRICT

WHEREAS, on September 16, 2014, Governor Jerry Brown signed into law Senate Bills 1168 and 1319 and Assembly Bill 1739, known collectively as the Sustainable Groundwater Management Act (“SGMA”); and

WHEREAS, SGMA went into effect on January 1, 2015; and

WHEREAS, SGMA requires all high and medium priority groundwater basins, as designated by the California Department of Water Resources (“DWR”) Bulletin 118, to be managed by Groundwater Sustainability Agencies (“GSAs”); and

WHEREAS, the Madera Subbasin has been designated by DWR as a high priority basin; and

WHEREAS, Water Code section 10723(a) authorizes a local agency with water supply, water management or local land use responsibilities, or a combination of local agencies, overlying a groundwater basin to elect to become a GSA under SGMA; and

WHEREAS, Root Creek Water District is a California water district and is therefore eligible to serve as a GSA within the Madera Subbasin; and

WHEREAS, Water Code section 10723.2 requires that a GSA consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans (“GSPs”); and

WHEREAS, Water Code section 10723.8 requires that a local agency electing to be a GSA notify DWR of its election and intention to undertake sustainable groundwater management within a basin; and

WHEREAS, Root Creek Water District held a public hearing on June 8, 2016, after publication of notice pursuant to Government Code Section 6066 to consider the adoption of this Resolution and its election to be a GSA in the Madera Subbasin; and

WHEREAS, Root Creek Water District wishes to exercise the powers and authorities of a GSA granted by SGMA through the Water Code.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE ROOT CREEK WATER DISTRICT does hereby resolve, declare and order as follows:

1. Root Creek Water District hereby elects to become a groundwater sustainability agency and undertake sustainable groundwater management in the portion of the Madera Subbasin (DWR Subbasin 5-22.06) underlying Root Creek Water District's boundary.
2. Root Creek Water District shall develop an outreach program to include all stakeholders to ensure all beneficial uses and users of groundwater are considered.
3. The Root Creek Water District Board of Directors intends to negotiate cooperative agreements or other forms of agreement with other agencies or entities utilizing groundwater in the Madera Subbasin, for the purpose of implementing a cooperative, coordinated structure for the management of the Madera Subbasin pursuant to SGMA.
4. The Board of Directors of the Root Creek Water District are authorized to submit to DWR on behalf of Root Creek Water District a notice of intent to undertake sustainable groundwater management in accordance with SGMA (Part 2.74 of the Water Code).
5. Staff is directed to send to DWR Root Creek Water District's notification of its election to be a GSA and such notification shall include: the boundaries of the Madera Subbasin that the Root Creek Water District intends to manage, which shall include lands within Root Creek Water District's boundaries as set forth in the map attached hereto as Exhibit "A", a copy of this Resolution, a list of the interested parties developed pursuant to Section 10723.2 of SGMA, and an explanation of how their interests will be considered in the development and operation of the GSA and the development and implementation of the GSA's GSP.

All the foregoing being on motion of Director Scarborough, seconded by Director Coulthard, and authorized by the following vote, to wit:

AYES: 5

NOES:

ABSTAIN:

ABSENT: 1

I HEREBY CERTIFY that the foregoing resolution is the resolution of said District as duly passed and adopted by said Board of Directors on the 8th day of June, 2016.

WITNESS my hand and seal of said Board of Directors this 8th day of June, 2016.



TONI SCARBOROUGH, Secretary of Root
Creek Water District

APPENDIX 1.H. GLOSSARY: SGMA DEFINITIONS

Prepared as part of the
**Joint Groundwater Sustainability Plan
Madera Subbasin**

January 2020

GSP Team:

Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

GLOSSARY

This Glossary includes terms from a variety of legal and administrative sources relevant to SGMA and GSP development. These sources include:

- California Water Code Section 10721, Sustainable Groundwater Management Definitions (**CWC Section 10721**)
- California Code of Regulations Title 23 Section 341, Groundwater Basin Boundaries Definitions (**23 CCR Section 341**)
- California Code of Regulations Title 23 Section 351, Groundwater Sustainability Plan Definitions (**23 CCR Section 351**)
- DWR Bulletin 118 Definitions, updated 2003 (**B118, 2003**)
- Locally defined terms used in the GSP

The source of each term is provided in the citation following that term. Page numbers are included when a definition is not found in the referenced document's definitions or glossary. Additional information regarding each source are summarized at the end of this glossary.

Adjudication Action. The action filed in the superior or federal district court to determine the rights to extract groundwater from a basin or store water within a basin, including, but not limited to, actions to quiet title respecting rights to extract or store groundwater or an action brought to impose a physical solution on a basin. (**CWC Section 10721**)

Administrative Adjustment. The basin or subbasin boundary adjustment by the Department that either (1) amends existing basin or subbasin boundary data files to accurately reflect an unambiguous written basin or subbasin boundary description as defined in Bulletin 118 or amended pursuant to this Part, or (2) restates the description of a basin or subbasin boundary to more precisely reflect a mapped basin or subbasin boundary consistent with the original description. (**B118, 2003**)

Agency. The groundwater sustainability agency as defined in the Act. (**23 CCR Section 351**)

Agricultural Water Management Plan. The plan adopted pursuant to the Agricultural Water Management Planning Act as described in Part 2.8 of Division 6 of the Water Code, commencing with Section 10800 et seq. (**23 CCR Section 351**)

Alternative. The alternative to a Plan described in Water Code Section 10733.6. (**23 CCR Section 351**)

Annual Report. The report required by Water Code §10728. (**23 CCR Section 351**)

Aquifer. The three-dimensional body of porous and permeable sediment or sedimentary rock that contains sufficient saturated material to yield significant quantities of groundwater to wells and springs, as further defined or characterized in Bulletin 118. (**B118, 2003**)

Baseline or Baseline Conditions. The historical information used to project future conditions for hydrology, water demand, and availability of surface water and to evaluate potential sustainable management practices of a basin. (**23 CCR Section 351**)

Basin Setting. The information about the physical setting, characteristics, and current conditions of the basin as described by the Agency in the hydrogeologic conceptual model, the groundwater conditions, and the water budget, pursuant to Sub article 2 of Article 5. (**23 CCR Section 351**)

Basin. Defined in the Sustainable Groundwater Management Act as a groundwater basin or subbasin identified and defined in Bulletin 118. Unless the context indicates otherwise, those terms are further

defined as follows: (1) The term **basin** shall refer to an area specifically defined as a basin or **groundwater basin** in Bulletin 118, and shall refer generally to an aquifer or stacked series of aquifers with reasonably well-defined boundaries in a lateral direction, based on features that significantly impede groundwater flow, and a definable bottom, as further defined or characterized in Bulletin 118. (2) The term **subbasin** shall refer to an area specifically defined as a subbasin or **groundwater subbasin** in Bulletin 118 and shall refer generally to any subdivision of a basin based on geologic and hydrologic barriers or institutional boundaries, as further described or defined in Bulletin 118. **(B118, 2003)**

Basin. The groundwater basin or subbasin identified and defined in Bulletin 118 or as modified pursuant to Water Code 10722 et seq. **(23 CCR Section 351)**

Beneficial Use. Water in Bulletin 118 references 23 categories of water uses identified by the State Water Resource Control Board and are listed and briefly described in Appendix E. **(B118, 2003)**

Best Available Science. The use of sufficient and credible information and data, specific to the decision being made and the time frame available for making that decision, that is consistent with scientific and engineering professional standards of practice. **(23 CCR Section 351)**

Best Management Practice. The practice, or combination of practices, that are designed to achieve sustainable groundwater management and have been determined to be technologically and economically effective, practicable, and based on best available science. §351. **(23 CCR Section 351)**

Board. The State Water Resources Control Board. **(23 CCR Section 351)**

Bulletin 118. The department's report entitled "California's Groundwater: Bulletin 118" updated in 2003, as it may be subsequently updated or revised in accordance with § 12924. **(CWC Section 10721)**

CASGEM. The California Statewide Groundwater Elevation Monitoring Program developed by the Department pursuant to Water Code Section 10920 et seq., or as amended. **(23 CCR Section 351)**

Condition of Long-Term Overdraft. The condition of a groundwater basin where the average annual amount of water extracted for a long-term period, generally 10 years or more, exceeds the long-term average annual supply of water to the basin, plus any temporary surplus. Overdraft during a period of drought is not sufficient to establish a condition of long-term overdraft if extractions and recharge are managed as necessary to ensure that reductions in groundwater levels or storage during a period of drought are offset by increases in groundwater levels or storage during other periods. **(CWC Section 10721)**

Coordination Agreement. The legal agreement adopted between two or more groundwater sustainability agencies that provides the basis for coordinating multiple agencies or groundwater sustainability plans within a basin pursuant to this part. **(CWC Section 10721)**

Data Gap. The lack of information that significantly affects the understanding of the basin setting or evaluation of the efficacy of Plan implementation and could limit the ability to assess whether a basin is being sustainably managed. **(23 CCR Section 351)**

Existing Stored Groundwater. Groundwater that is already underground from centuries of accumulated native groundwater. Historic pumping has been diminishing the existing stored groundwater at rates greater than the native groundwater can sustain, causing overdraft and unsustainable conditions. If more water is pumped from a basin than what is added from Native Groundwater and Introduced Groundwater, this water comes from the Existing Stored Groundwater. Continuing to use this previously stored groundwater will continue to exacerbate overdraft conditions. Temporarily using some of this water during the transition to sustainability will likely continue to cause lowering of groundwater levels.

Groundwater Dependent Ecosystem. The ecological communities or species that depend on groundwater emerging from aquifers or on groundwater occurring near the ground surface. **(23 CCR Section 351)**

Groundwater Flow. The volume and direction of groundwater movement into, out of, or throughout a basin. **(23 CCR Section 351)**

Groundwater in Storage. The quantity of water in the zone of saturation. **(B118, 2003)**

Groundwater Overdraft. The condition of a groundwater basin in which the amount of water withdrawn by pumping exceeds the amount of water that recharges the basin over a period of years during which water supply conditions approximate average conditions. **(B118, 2003)**

Groundwater Recharge or Recharge. The augmentation of groundwater by natural or artificial means. **(CWC Section 10721)**

Groundwater Storage Capacity. The volume of void space that can be occupied by water in a given volume of a formation, aquifer, or groundwater basin. **(B118, 2003)**

Groundwater Sustainability Agency. One or more local agencies that implement the provisions of this part. For purposes of imposing fees pursuant to Chapter 8 (commencing with Section 10730) or taking action to enforce a groundwater sustainability plan, **Groundwater Sustainability Agency** also means each local agency comprising the groundwater sustainability agency if the plan authorizes separate agency action. **(CWC Section 10721)**

Groundwater. Water beneath the surface of the earth within the zone below the water table in which the soil is completely saturated with water but does not include water that flows in known and definite channels. **(CWC Section 10721)**

Hydrogeologic Conceptual Model. The description of the geologic and hydrologic framework governing the occurrence of groundwater and its flow through and across the boundaries of a basin and the general groundwater conditions in a basin or subbasin. **(23 CCR Section 341)**

Interconnected Surface Water. The surface water that is hydraulically connected at any point by a continuous saturated zone to the underlying aquifer and the overlying surface water is not completely depleted. **(23 CCR Section 351)**

Interested Parties. The persons and entities on the list of interested persons established by the Agency pursuant to Water Code Section 10723.4. **(23 CCR Section 351)**

Interim Milestone. The target value representing measurable groundwater conditions, in increments of five years, set by an Agency as part of a Plan. **(23 CCR Section 351)**

Introduced Groundwater. Water that is added to the sustainable yield of groundwater supply derived from percolation of imported surface water. This can be the directly through groundwater replenishment projects or groundwater banking or can be indirectly through percolation from irrigation and unlined canals.

Management Area. The area within a basin for which the Plan may identify different minimum thresholds, measurable objectives, monitoring, or projects and management actions based on differences in water use sector, water source type, geology, aquifer characteristics, or other factors. **(23 CCR Section 351)**

Measurable Objectives. The specific, quantifiable goals for the maintenance or improvement of specified groundwater conditions that have been included in an adopted Plan to achieve the sustainability goal for the basin. **(23 CCR Section 351)**

Minimum Threshold. The numeric value for each sustainability indicator used to define undesirable results. **(23 CCR Section 351)**

Monitoring Protocols. Designed to detect changes in groundwater levels, groundwater quality, inelastic surface subsidence for basins for which subsidence has been identified as a potential problem, and flow and quality of surface water that directly affect groundwater levels or quality or are caused by groundwater extraction in the basin. The monitoring protocols shall be designed to generate information that promotes efficient and effective groundwater management. §10727.2. Required Plan Elements. **(CWC Section 10721)**

NAD83. The North American Datum of 1983 computed by the National Geodetic Survey, or as modified.

Native Groundwater. Water naturally infiltrating into the groundwater from precipitation and runoff. This is the average quantity of water annually added to the groundwater budget from rain, rivers, and streams, and reflects the portion of estimated sustainable yield of the groundwater supply that is not derived from imported surface water.

NAVD88. The North American Vertical Datum of 1988 computed by the National Geodetic Survey, or as modified. **(23 CCR Section 351)**

Plain Language. The language that the intended audience can readily understand and use because that language is concise, well-organized, uses simple vocabulary, avoids excessive acronyms and technical language, and follows other best practices of plain language writing. **(23 CCR Section 351)**

Plan Implementation. The Agency's exercise of the powers and authorities described in the Act, which commences after an Agency adopts and submits a Plan or Alternative to the Department and begins exercising such powers and authorities. **(23 CCR Section 351)**

Plan Manager. An employee or authorized representative of an Agency, or Agencies, appointed through a coordination agreement or other agreement, who has been delegated management authority for submitting the Plan and serving as the point of contact between the Agency and the Department. **(23 CCR Section 351)**

Plan. The groundwater sustainability plan as defined in the Act. **(23 CCR Section 351)**

Planning and Implementation Horizon. The 50-year time period over which a groundwater sustainability agency determines that plans and measures will be implemented in a basin to ensure that the basin is operated within its sustainable yield. **(CWC Section 10721)**

Principal Aquifers. The aquifers or aquifer systems that store, transmit, and yield significant or economic quantities of groundwater to wells, springs, or surface water systems. **(23 CCR Section 351)**

Qualified Map. The geologic map of a scale no smaller than 1:250,000 that is published by the U. S. Geological Survey or the California Geological Survey, or is a map published as part of a geologic investigation conducted by a state or federal agency, or is a geologic map prepared and signed by a Professional Geologist that is acceptable to the Department. **(23 CCR Section 341)**

Recharge Area. The area that supplies water to an aquifer in a groundwater basin. **(CWC Section 10721)**

Reference Point. The permanent, stationary and readily identifiable mark or point on a well, such as the top of casing, from which groundwater level measurements are taken, or other monitoring site. **(23 CCR Section 351)**

Representative Monitoring. The monitoring site within a broader network of sites that typifies one or more conditions within the basin or an area of the basin. **(23 CCR Section 351)**

Safe Yield. The maximum quantity of water that can be continuously withdrawn from a groundwater basin without adverse effect. **(B118, 2003)**

Saturated Zone. The zone in which all interconnected openings are filled with water, usually underlying the unsaturated zone. **(B118, 2003)**

Seasonal High. The highest annual static groundwater elevation that is typically measured in the Spring and associated with stable aquifer conditions following a period of lowest annual groundwater demand. **(23 CCR Section 351)**

Seasonal Low. The lowest annual static groundwater elevation that is typically measured in the Summer or Fall and associated with a period of stable aquifer conditions following a period of highest annual groundwater demand. **(23 CCR Section 351)**

Seawater Intrusion. The advancement of seawater into a groundwater supply that results in degradation of water quality in the basin and includes seawater from any source. **(23 CCR Section 351)**

Statutory Deadline. The date by which an Agency must be managing a basin pursuant to an adopted Plan, as described in Water Code Sections 10720.7 or 10722.4. **(23 CCR Section 351)**

Sustainability Goal. The existence and implementation of one or more groundwater sustainability plans that achieve sustainable groundwater management by identifying and causing the implementation of measures targeted to ensure that the applicable basin is operated within its sustainable yield. **(CWC Section 10721)**

Sustainability Indicator. The effects caused by groundwater conditions occurring throughout the basin that, when significant and unreasonable, cause undesirable results, as described in Water Code §10721(x). **(23 CCR Section 351)**

Sustainable Groundwater Management. The management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing undesirable results. **(CWC Section 10721)**

Sustainable Yield. The maximum quantity of water calculated over a base period representative of long-term conditions in the basin and including any temporary surplus, that can be withdrawn annually from a groundwater supply without causing an undesirable result. **(CWC Section 10721)**

Technical Study. The geologic or hydrologic report prepared and published by a state or federal agency, or a study published in a peer-reviewed scientific journal, or a report prepared and signed by a Professional Geologist or by a Professional Engineer. **(23 CCR Section 341)**

Uncertainty. The lack of understanding of the basin setting that significantly affects an Agency's ability to develop sustainable management criteria and appropriate projects and management actions in a Plan, or to evaluate the efficacy of Plan implementation, and therefore may limit the ability to assess whether a basin is being sustainably managed. **(23 CCR Section 351)**

Undesirable Result. One or more of the following effects caused by groundwater conditions occurring throughout the basin: (1) Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply if continued over the planning and implementation horizon. Overdraft during a period of drought is not sufficient to establish a chronic lowering of groundwater levels if extractions and groundwater recharge are managed as necessary to ensure that reductions in groundwater levels or storage during a period of drought are offset by increases in groundwater levels or storage during other periods. (2) Significant and unreasonable reduction of groundwater storage. (3) Significant and unreasonable seawater intrusion. (4) Significant and unreasonable degraded water quality, including the migration of contaminant plumes that impair water supplies. (5) Significant and unreasonable land

subsidence that substantially interferes with surface land uses. (6) Depletions of interconnected surface water that have significant and unreasonable adverse impacts on beneficial uses of the surface water. **(CWC Section 10721)**

Urban Water Management Plan. The plan adopted pursuant to the Urban Water Management Planning Act as described in Part 2.6 of Division 6 of the Water Code, commencing with Section 10610 et seq. **(23 CCR Section 351)**

Water Budget. The accounting of the total groundwater and surface water entering and leaving a basin including the changes in the amount of water stored. **(CWC Section 10721)**

Water Source Type. The source from which water is derived to meet the applied beneficial uses, including groundwater, recycled water, reused water, and surface water sources identified as Central Valley Project, the State Water Project, the Colorado River Project, local supplies, and local imported supplies. **(23 CCR Section 351)**

Water Use Sector. The categories of water demand based on the general land uses to which the water is applied, including urban, industrial, agricultural, managed wetlands, managed recharge, and native vegetation. **(23 CCR Section 351)**

Water Year Type. The classification provided by the Department to assess the amount of annual precipitation in a basin. **(23 CCR Section 351)**

Water Year. The period from October 1 through the following September 30, inclusive. **(CWC Section 10721)**

Water Year. The period from October 1 through the following September 30, inclusive, as defined in the Act. **(23 CCR Section 351)**

Wellhead Protection Area. The surface and subsurface area surrounding a water well or well field that supplies a public water system through which contaminants are reasonably likely to migrate toward the water well or well field. **(CWC Section 10721)**

REFERENCES

California Code of Regulations. Title 23, Section 341.

California Code of Regulations. Title 23, Section 351.

California Department of Water Resources (DWR). 2003. Bulletin 118: California's Groundwater.

California Water Code. Division 6. Part 2.74. Section 10721. Chapter 2. Definitions. (Amended by Stats. 2018, Ch. 255, Sec. 1. (AB 1944) Effective January 1, 2019.)