Monterey County

1441 Schilling Place
Salinas, CA 93901

Meeting Agenda - Final

Wednesday, March 3, 2021

8:30 AM

IMPORTANT COVID-19 NOTICE ON PAGE 2-4
AVISO IMPORTANTE SOBRE COVID-19 EN LA PAGINA 2-4

Water Resources Agency Basin Management Advisory Committee

John Baillie
Deidre Sullivan
Matthew Simis
David Bunn
Bill Lipe
Kevin Piearcy
Amy White
Marisela Cerda
Patrick Breen
Patrick Collins

IMPORTANT NOTICE REGARDING COVID 19 AND PARTICIPATION IN THE BASIN MANAGEMENT ADVISORY COMMITTEE MEETING

The Basin Management Advisory Committee meeting will be held by teleconference in order to minimize the spread of the COVID 19 virus, in accordance with the State of Emergency proclaimed by Governor Newsom on March 4, 2020, Executive Order N 29 20 issued by Governor Newsom on March 17, 2020, and the Shelter in Place Order issued by the Monterey County Health Officer on March 17, 2020, as may be periodically amended.

To participate in this Basin Management Advisory Committee meeting, the public is invited to observe and address the Committee telephonically or electronically. Instructions for public participation are below:

1. For ZOOM participation please join by computer audio at:
https://montereycty.zoom.us/j/98016048495
OR to participate by phone call any of these numbers below:
+1 669 900 6833 US (San Jose)
+1 346 248 7799 US (Houston)
+1 312 626 6799 US (Chicago)
+1 929 205 6099 US (New York)
+1 253 215 8782 US
+1 301 715 8592 US

Enter this Meeting ID number: 980 1604 8495 PASSWORD: 471712 when prompted. Please note there is no Participant Code, you will just hit # again after the recording prompts you.
You will be placed in the meeting as an attendee; when you are ready to make a public comment, if joined by computer audio, please Raise your Hand; and by phone, please push *9 on your keypad.

2. If you wish to comment on a specific agenda item while the matter is being heard, you may participate by the following means:

When the Chair calls for public comment on an agenda item, the Zoom Meeting Host, or his or her designee, will first ascertain who wants to comment (among those who are in the meeting electronically or telephonically) and will then call on speakers and unmute their device one at a time. Public speakers may be broadcast in audio form only.

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4. If you wish to make either a general public comment for items not on the day's agenda or to comment on a specific agenda item as it is being heard, please submit your comment, limited to 250 words or less, to the Monterey County Water Resources Agency at WRApubliccomment@co.monterey.ca.us. In an effort to assist Agency staff in identifying the agenda item relating to your public comment please indicate in the subject line, the meeting body (i.e. Basin Management Advisory Committee) and item number (i.e. Item No. 10). Every effort will be made to read your comment into the record, but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

5. If speakers or other members of the public have documents they wish to distribute to the Committee for an agenda item, they are encouraged to submit such documents by 5:00 p.m. on Tuesday before the meeting to: WRApubliccomment@co.monterey.ca.us. To assist Agency staff in identifying the agenda item to which the comment relates, the public is requested to indicate the Basin Management Advisory Committee date and agenda number in the subject line.

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7. Individuals with disabilities who desire to request a reasonable accommodation or modification to observe or participate in the meeting may make such request by sending an email to WRApubliccomment@co.monterey.ca.us. The request should be made no later than noon on the Wednesday prior to the Committee meeting in order to provide time for the Agency to address the request.

8. The Chair and/or Secretary may set reasonable rules as needed to conduct the meeting in an orderly manner.

AVISO IMPORTANTE SOBRE COVID 19 Y PARTICIPACIÓN EN LA REUNIÓN DEL COMITE DE ASESOR DE GESTION DE LA CUENCA

La reunión del Comité de Asesor de Gestion de la Cuenca se llevará a cabo por teleconferencia para minimizar la propagación del virus COVID 19, de acuerdo con el Estado de Emergencia proclamado por el Gobernador Newsom el 4 de Marzo del 2020, Orden Ejecutiva N 29 20 emitida por el Gobernador Newsom el 17 de Marzo del 2020, y la Orden de Refugio en el Lugar") emitida por el Oficial de Salud del Condado de Monterey el 17 de Marzo del 2020, según se pueda enmendar periódicamente.

Para participar en esta reunión del Comité de Asesor de Gestion de la Cuenca el público están

invitados a observar y dirigirse al Comité telefónicamente o por vía electrónica. Las instrucciones para la participación pública están a continuación:

1. El público puede observar la reunión ZOOM a través de computadora haciendo clic en el siguiente enlace: https://montereycty.zoom.us/j/98016048495

O el público puede escuchar a través del teléfono llamando al:
+1 669 900 6833 US (San Jose)
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2. Los miembros del público que desean comentar en un artículo específico de la agenda, mientras que el artículo se este presentando durante la reunión, pueden participar por cualquiera de los siguientes medios:

Cuando el Presidente del Comité solicite comentarios públicos sobre un artículo de la agenda, el anfitrión de la reunión Zoom o su designado, primero determinará quién quiere testificar (entre los que están en la reunión por vía electrónica o telefónica) y luego llamará a los oradores (speakers) y activará la bocina para el orador, uno a la vez. Todo orador, será transmitido por audio en altavoz solamente.

3. Si un miembro del público desea comentar sobre un artículo de la agenda en particular, se le es sumamente recomendable que envie sus comentarios por escrito por correo electrónico a la Agencia de Administración de Recursos del Agua (Agencia) a WRApubliccomment@co.monterey.ca.us antes de las 5:00 P. M. el Martes antes de la reunión del Comité. Para ayudar al personal de la Agencia a identificar el número del artículo de la agenda con el cual se relaciona el comentario, se solicita al público que indique la fecha de la reunión del Comité y el número del artículo de la agenda en la línea de asunto. Comentarios recibidos en la fecha limite del Martes a las 5 P.M, serán distribuidos al Comité y serán colocados en el registro.

4. Los miembros del público que deseen hacer un comentario público general para temas que no están en la agenda del día o que deseen comentar en un artículo específico mientras se escucha la presentación, lo pueden hacer enviando un comentario por correo electrónico, preferiblemente limitado a 250 palabras o menos, a WRApubliccomment@co.monterey.ca.us. Para ayudar al

personal de la Agencia a identificar el artículo de la agenda con el cual se relaciona el comentario, se solicita al público que indique el nombre del Comité (por ejemplo: Comité de Asesor de Gestion de la Cuenca) y el número del artículo de la agenda (por ejemplo: Artículo # 10). Se hará todo lo posible para leer el comentario en el registro, pero algunos comentarios pueden no leerse en voz alta debido a limitaciones de tiempo. Los comentarios recibidos después del cierre del período de comentarios públicos sobre un artículo de la agenda serán parte del registro si se reciben antes que termine la reunión del Comité.

5. Si los oradores u otros miembros del público tienen documentos que desean distribuir al Comité para un artículo de la agenda, se les recomienda enviar dichos documentos antes de las 5:00 P.M. el Martes antes de la reunión a: WRApubliccomment@co.monterey.ca.us. Para ayudar al personal de la Agencia a identificar el número del artículo de la agenda con el cual se relaciona el comentario, se solicita al público que indique la fecha de la reunion del Comité y el número de agenda en la línea de asunto.

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8. El Presidente y / o Secretario pueden establecer reglas razonables según sea necesario para llevar a cabo la reunión de manera ordenada.

Call to Order

Roll Call

Public Comment

Consent Calendar

1. Approve the Minutes of the Basin Management Advisory Committee meetings held on February 3 2021.

Attachments: Draft Action Minutes February 3, 2021

Scheduled Matters

2. Consider receiving a report on Mechanisms and Pathways of Seawater Intrusion

Attachments: Committee Report
Attachment 1 Reference Sheet
Attachment 2 Map

3. Consider receiving the draft 2020 Groundwater Level Contour Maps.

Attachments: Committee Report

4. Consider receiving Draft 2020 Historical Seawater Intrusion Maps.

Attachments: Committee Report

5. Consider receiving and recommending that the Board of Directors receive the Well Locations Report for the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* Project..

Attachments: Committee Report
Well Locations Report

Staff Reports

6. Proposition 1 Implementation Grant Update: *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley*

Attachments: Proposition 1 Grant Update

7. Update on Well Permit Activities

Attachments: Well Permit Activities Update

8. Update on Groundwater Sustainability Agency activities in the Salinas Valley Basin

Attachments: GSA Activities Update

9. Update on Agency Modeling Activities

Attachments: Agency Modeling Activities

Calendar

10. Consider future agenda items and set next meeting date

Adjournment

Monterey County

Board Report

Item No.1

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRABMAC 21-010

March 03, 2021

Introduced: 2/24/2021
Version: 1

Current Status: Draft
Matter Type: WRA BMAC Item

Approve the Minutes of the Basin Management Advisory Committee meetings held on February 3 2021.

Monterey County

1441 Schilling Place
Salinas, CA 93901

Action Minutes - Draft

Wednesday, February 3, 2021

8:30 AM

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Water Resources Agency Basin Management Advisory Committee

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Enter this Meeting ID number: 998 1216 0143 PASSWORD: 540848 when prompted. Please note there is no Participant Code, you will just hit # again after the recording prompts you. You will be placed in the meeting as an attendee; when you are ready to make a public comment, if joined by computer audio, please Raise your Hand; and by phone, please push *9 on your keypad.

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8. El Presidente y / o Secretario pueden establecer reglas razonables según sea necesario para llevar a cabo la reunión de manera ordenada.

Call to Order

The meeting was called to order at 8:31am.

Roll Call

Present: John Baillie, Deidre Sullivan, Matthew Simis, David Bunn, Kevin Piearcy, Amy White, Marisela Cerda, Patrick Breen, Patrick Collins

Absent: Bill Lipe

Public Comment

None

Consent Calendar

1. Approve the Minutes of the Basin Management Advisory Committee meetings held on November 4, 2020.

Attachments: Draft Action Minutes November 4, 2020

On motion by Deidre Sullivan, and seconded by John Baillie, the Committee approved the Minutes for the Basin Management Advisory Committee on November 4, 2020.

Ayes: Baillie, Sullivan
Noes: None
Abstain: Simis, Breen, Collins
Absent: Bill Llpe

Scheduled Matters

2. Consider receiving a report on the Groundwater Extraction Management System (GEMS) 2019 Groundwater Extraction Summary Report.

Attachments: Board Report
2019 GEMS 2019 GW Extraction Summary Report

On motion by Matthew Simis, and seconded by Deidre Sullivan, the Committee received the report.

Ayes: Baillie, Sullivan, Simis, Bunn, Piearcy, White, Cerda, Breen, Collins
Noes: None
Absent: Bill Lipe

3. Consider receiving a report on the addition of a Deep Aquifers Addendum to the Salinas Valley Water Conditions Quarterly Conditions Report and provide guidance to Staff on recommended changes.

Attachments: Board Report
1. Quarterly Report
2. Deep Aquifer Addendum

On motion by White, and seconded by Piearcy, the Committee received the report.

Ayes: Baillie, Sullivan, Simis, Bunn, Piearcy, White, Cerda, Breen, Collins
Noes: None
Absent: Bill Llpe
Public Comment: Marieke Desmond, George Fontes

Staff Reports

4. Update on Well Permit Activities

Attachments: Well Permit Activities Update

5. Proposition 1 Implementation Grant Update: *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley*

Attachments: Proposition 1 Grant Update

Ordinance #3910

6. Update on Groundwater Sustainability Agency activities in the Salinas Valley Basin

Attachments: GSA Activities Update

7. Update on Agency Modeling Activities

Attachments: Agency Modeling Activities Update

Calendar

8. Consider future agenda items and set next meeting date

The next meeting date will be March 3, 2021.

Adjournment

The meeting adjourned at 9:40am.

Introduced: 2/24/2021 **Current Status:** Agenda Ready

Version: 1 **Matter Type:** WRA BMAC Item

Consider receiving a report on Mechanisms and Pathways of Seawater Intrusion

RECOMMENDATION:
It is recommended that the Monterey County Water Resources Agency Basin Management Advisory Committee:

Receive a report on Mechanisms and Pathways of Seawater Intrusion

SUMMARY:
The Monterey County Water Resources Agency (MCWRA) monitors the movement and extent of seawater intrusion in the Salinas Valley Groundwater Basin. The current understanding of seawater intrusion is shaped by available data on groundwater levels, groundwater quality, geochemistry, hydrogeology, and solute transport.

DISCUSSION:

Regional Seawater Intrusion
In the Salinas Valley Groundwater Basin, seawater intrusion has been documented in the 180-Foot and 400-Foot Aquifers. The geologic formations that comprise these aquifers are in direct hydraulic communication with the Pacific Ocean, a condition that provides a pathway for seawater intrusion (Attachment 1; Kennedy/Jenks, 2004). A secondary contributor to seawater intrusion in the 180-Foot and 400-Foot Aquifers is the persistent reversal of the seawater groundwater gradient (Attachment 1; Kennedy/Jenks, 2004). When combined, these two factors result in regional seawater intrusion wherein seawater infiltrates the 180-Foot and 400-Foot Aquifers through submarine outcrops, then moves inland where groundwater pumping has resulted in groundwater levels that are below sea level in both aquifers.

Inter-Aquifer Seawater Intrusion
A second pathway for seawater intrusion also exists in the 180-Foot, 400-Foot, and Deep Aquifers, termed inter-aquifer seawater intrusion. The results of this type of seawater intrusion were first documented by MCWRA in the *2015 Historical Seawater Intrusion Map for the Pressure 400-Foot Aquifer* (Attachment 2), with the appearance of three “islands” of seawater intrusion that were disconnected from the contiguous seawater intrusion front.

Inter-aquifer seawater intrusion occurs when groundwater that is impaired by seawater intrusion moves vertically between aquifers. This movement requires the presence of impaired groundwater; a

mechanism for movement (e.g. a vertical hydraulic gradient wherein groundwater levels are deeper in the underlying aquifer); and a pathway for the impaired water. Pathways could be thin or discontinuous aquitards, wells with screens/perforations across multiple aquifer units, improperly constructed or abandoned wells, and/or wells in poor condition (Attachment 1; MCWRA, 2017).

The mechanism for movement is documented regularly by MCWRA through its groundwater level monitoring program. Multiple pathways for inter-aquifer seawater intrusion have been documented, including a 2004 report, *Hydrostratigraphic Analysis of the Northern Salinas Valley*, which illustrates areas in the 180/400 Foot Aquifer Subbasin where the aquitard between the 180-Foot and 400-Foot Aquifers is thin or missing (Attachment 1; Kennedy/Jenks, 2004). MCWRA has data on multiple instances of poorly constructed or damaged wells acting as pathways for leakage of impaired groundwater from the 180-Foot Aquifer into the 400-Foot Aquifer.

Persistent Effects

Once impaired groundwater has entered the aquifer, the processes by which its dissolved constituents (e.g. chloride) move through the aquifer materials is complex. The two primary processes relevant to transporting solutes are diffusion and advection. Diffusion refers to the movement of solutes from areas of higher concentration to areas of lower concentration, while advection is the process by which moving groundwater carries solutes with it (Attachment 1; Fetter, 2001). Both processes are relevant in the 180-Foot and 400-Foot Aquifers and contribute to persistent effects from seawater intrusion.

For example, if a leaking well serves as a pathway for vertical migration of seawater intruded-groundwater from the 180-Foot Aquifer to the 400-Foot Aquifer, a water quality sample at the leaking well site would show a relatively high concentration of chloride compared to nearby wells in the 400-Foot Aquifer. However, even if the leaking well is destroyed soon thereafter, the high-chloride groundwater will continue to move away from the well site into the surrounding groundwater through diffusion and advection. The result will be higher chloride levels at the surrounding wells due to transport of the chloride with the groundwater.

As described in the MCWRA report *Recommendations to Address the Expansion of Seawater Intrusion in the Salinas Valley Groundwater Basin: 2020 Update* ("2020 Update"), a lack of data points behind the seawater intrusion front impairs MCWRA's ability to understand the nature of the groundwater mass in areas that have long been impacted by seawater intruded. Chloride concentrations are continually increasing in the area behind the seawater intrusion front. Even if all groundwater pumping were to immediately cease in the coastal area, chloride (and other solutes) will continue to diffuse and advect from the impaired mass into the surrounding area until chemical equilibrium is reached. Insufficient data from the area complicates MCWRA's ability to manage the groundwater resources in the area, which is one reason that the 2020 Update included a recommendation to install monitoring wells in the coastal area.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

There is no financial impact in receiving this report.

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860
Amy Woodrow, Hydrologist, (831) 755-4860

Attachments:
1. Reference Sheet
2. 2015 Historical Seawater Intrusion Map for the Pressure 400-Foot Aquifer

Introduced: 2/24/2021 **Current Status:** Agenda Ready

Version: 1 **Matter Type:** WRA BMAC Item

Consider receiving a report on Mechanisms and Pathways of Seawater Intrusion

RECOMMENDATION:
It is recommended that the Monterey County Water Resources Agency Basin Management Advisory Committee:

Receive a report on Mechanisms and Pathways of Seawater Intrusion

SUMMARY:
The Monterey County Water Resources Agency (MCWRA) monitors the movement and extent of seawater intrusion in the Salinas Valley Groundwater Basin. The current understanding of seawater intrusion is shaped by available data on groundwater levels, groundwater quality, geochemistry, hydrogeology, and solute transport.

DISCUSSION:

Regional Seawater Intrusion
In the Salinas Valley Groundwater Basin, seawater intrusion has been documented in the 180-Foot and 400-Foot Aquifers. The geologic formations that comprise these aquifers are in direct hydraulic communication with the Pacific Ocean, a condition that provides a pathway for seawater intrusion (Attachment 1; Kennedy/Jenks, 2004). A secondary contributor to seawater intrusion in the 180-Foot and 400-Foot Aquifers is the persistent reversal of the seawater groundwater gradient (Attachment 1; Kennedy/Jenks, 2004). When combined, these two factors result in regional seawater intrusion wherein seawater infiltrates the 180-Foot and 400-Foot Aquifers through submarine outcrops, then moves inland where groundwater pumping has resulted in groundwater levels that are below sea level in both aquifers.

Inter-Aquifer Seawater Intrusion
A second pathway for seawater intrusion also exists in the 180-Foot, 400-Foot, and Deep Aquifers, termed inter-aquifer seawater intrusion. The results of this type of seawater intrusion were first documented by MCWRA in the *2015 Historical Seawater Intrusion Map for the Pressure 400-Foot Aquifer* (Attachment 2), with the appearance of three “islands” of seawater intrusion that were disconnected from the contiguous seawater intrusion front.

Inter-aquifer seawater intrusion occurs when groundwater that is impaired by seawater intrusion moves vertically between aquifers. This movement requires the presence of impaired groundwater; a

mechanism for movement (e.g. a vertical hydraulic gradient wherein groundwater levels are deeper in the underlying aquifer); and a pathway for the impaired water. Pathways could be thin or discontinuous aquitards, wells with screens/perforations across multiple aquifer units, improperly constructed or abandoned wells, and/or wells in poor condition (Attachment 1; MCWRA, 2017).

The mechanism for movement is documented regularly by MCWRA through its groundwater level monitoring program. Multiple pathways for inter-aquifer seawater intrusion have been documented, including a 2004 report, *Hydrostratigraphic Analysis of the Northern Salinas Valley*, which illustrates areas in the 180/400 Foot Aquifer Subbasin where the aquitard between the 180-Foot and 400-Foot Aquifers is thin or missing (Attachment 1; Kennedy/Jenks, 2004). MCWRA has data on multiple instances of poorly constructed or damaged wells acting as pathways for leakage of impaired groundwater from the 180-Foot Aquifer into the 400-Foot Aquifer.

Persistent Effects

Once impaired groundwater has entered the aquifer, the processes by which its dissolved constituents (e.g. chloride) move through the aquifer materials is complex. The two primary processes relevant to transporting solutes are diffusion and advection. Diffusion refers to the movement of solutes from areas of higher concentration to areas of lower concentration, while advection is the process by which moving groundwater carries solutes with it (Attachment 1; Fetter, 2001). Both processes are relevant in the 180-Foot and 400-Foot Aquifers and contribute to persistent effects from seawater intrusion.

For example, if a leaking well serves as a pathway for vertical migration of seawater intruded-groundwater from the 180-Foot Aquifer to the 400-Foot Aquifer, a water quality sample at the leaking well site would show a relatively high concentration of chloride compared to nearby wells in the 400-Foot Aquifer. However, even if the leaking well is destroyed soon thereafter, the high-chloride groundwater will continue to move away from the well site into the surrounding groundwater through diffusion and advection. The result will be higher chloride levels at the surrounding wells due to transport of the chloride with the groundwater.

As described in the MCWRA report *Recommendations to Address the Expansion of Seawater Intrusion in the Salinas Valley Groundwater Basin: 2020 Update* ("2020 Update"), a lack of data points behind the seawater intrusion front impairs MCWRA's ability to understand the nature of the groundwater mass in areas that have long been impacted by seawater intruded. Chloride concentrations are continually increasing in the area behind the seawater intrusion front. Even if all groundwater pumping were to immediately cease in the coastal area, chloride (and other solutes) will continue to diffuse and advect from the impaired mass into the surrounding area until chemical equilibrium is reached. Insufficient data from the area complicates MCWRA's ability to manage the groundwater resources in the area, which is one reason that the 2020 Update included a recommendation to install monitoring wells in the coastal area.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

There is no financial impact in receiving this report.

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860
Amy Woodrow, Hydrologist, (831) 755-4860

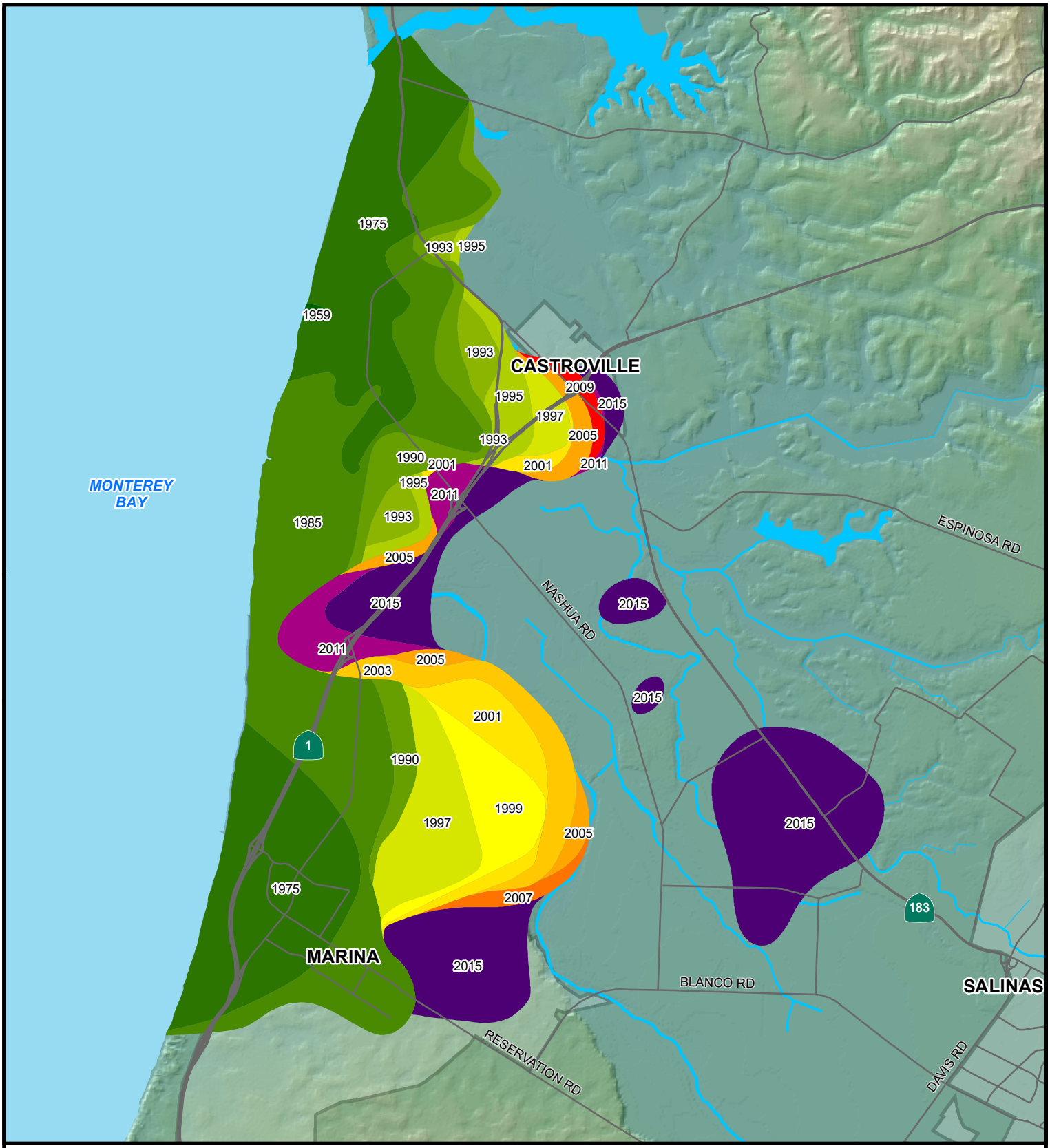
Attachments:
1. Reference Sheet
2. 2015 Historical Seawater Intrusion Map for the Pressure 400-Foot Aquifer

Attachment 1 – Reference Sheet

Fetter, C.W., 2001, *Applied Hydrogeology*, Fourth Edition, Prentice-Hall, Inc., New Jersey.

Kennedy/Jenks Consultants, 2004, *Final Report – Hydrostratigraphic Analysis of the Northern Salinas Valley*.

Monterey County Water Resources Agency, 2017, *Recommendations to Address the Expansion of Seawater Intrusion in the Salinas Valley Groundwater Basin*.



Historical Seawater Intrusion Map

Pressure 400-Foot Aquifer - 500 mg/L or Greater Chloride Areas

Updated 1/17/2020

Cities
1959
1975
1985
1990
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011/2013
2015

N
W E
S

0 0.5 1 1.5 2 Miles

The scale and configuration of all project boundaries and information shown herein are not intended as a guide for design or survey work.

Map Date: 2/26/2020

*** Seawater Intruded Areas By Year**

Introduced: 2/24/2021
Version: 1

Current Status: Agenda Ready
Matter Type: WRA BMAC Item

Consider receiving the draft 2020 Groundwater Level Contour Maps.

RECOMMENDATION:
It is recommended that the Monterey County Water Resources Agency Basin Management Advisory Committee:

Receive the draft 2020 Groundwater Level Contour Maps.

SUMMARY/DISCUSSION:

August Trough Groundwater Level Survey
On a single day in August, Agency staff conducts an intensive groundwater level survey of the northern Salinas Valley. Groundwater levels (GWLs) are sampled at 197 wells from Chualar to the coast, to obtain a "snapshot" survey of conditions within and beyond the Seawater Intrusion Front. This is done during a time of the year when aquifers are most stressed by pumping. One of the key purposes of the survey is to monitor and assess the forces driving seawater intrusion, in particular groundwater level gradients sloping inland from the coast, which are most pronounced when pumping is at its seasonal peak.

Fall Groundwater Level Survey

In the latter part of each fall, from mid-November to mid-December, the Agency samples GWLs in approximately 490 wells throughout the Salinas Valley, from the San Ardo Oilfields to Moss Landing. The timing of this sampling survey allows us to capture conditions in the groundwater basin at a time when a relative lull in agricultural pumping causes groundwater level troughs to relax, prior to the influence of seasonal recharge in response to winter/spring precipitation. In this way, the annual Fall survey of groundwater level data is an assessment of the relative, year-to-year change in groundwater storage throughout the valley.

OTHER AGENCY INVOLVEMENT:
None

FINANCING:
There is no financial impact in receiving this report.

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860

Tamara Voss, Associate Hydrologist, (831) 755-4860
Nicole Koerth, Hydrologist, (831) 755-4860
Guillermo Diaz-Moreno, Water Resources Technician, (831) 755-4860
April Woods, Water Resources Technician, (831) 755-4860

Introduced: 2/24/2021
Version: 1

Current Status: Agenda Ready
Matter Type: WRA BMAC Item

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OTHER AGENCY INVOLVEMENT:
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FINANCING:
There is no financial impact in receiving this report.

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Introduced: 2/24/2021 **Current Status:** Agenda Ready

Version: 1 **Matter Type:** WRA BMAC Item

Consider receiving Draft 2020 Historical Seawater Intrusion Maps.

RECOMMENDATION:
It is recommended that the Basin Management Advisory Committee:

Receive the Draft 2020 Historical Seawater Intrusion Maps.

SUMMARY/DISCUSSION:

2020 Seawater Intrusion (SWI) Maps
ach summer, Agency staff samples approximately 120 agricultural, urban purveyor, and small diameter monitoring groundwater wells in the coastal area of the northern Salinas Valley. Water quality samples are collected from the agricultural and urban wells twice, once in June and again in August. The Agency's network of small diameter monitoring wells are sampled once in September.

Samples are analyzed by the County's Consolidated Chemistry Lab (ELAP # 1395). The data are then evaluated with several geochemical tools and contours are developed using an ArcMap interpolation tool and supporting data from several other Agency Programs. The new polygons are then added to the Historical SWI maps.

In 2020 the 500 mg/L or greater chloride areas show a small amount of advancement along the southern most lobe in the Pressure 180-Foot aquifer.

Within the Pressure 400-Foot aquifer the 500 mg/L or greater chloride areas also advanced a small amount in the northern most lobe, near Castroville. Additionally, two of the "islands" in front of the main contours, the middle one and the large southern one joined. This occurred in the area of Nashua and Cooper Roads.

OTHER AGENCY INVOLVEMENT:
None

FINANCING:
There is no financial impact in receiving this report.

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860
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April Woods, Water Resources Technician, (831) 755-4860

Introduced: 2/24/2021
Version: 1

Current Status: Agenda Ready
Matter Type: WRA BMAC Item

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OTHER AGENCY INVOLVEMENT:
None

FINANCING:
There is no financial impact in receiving this report.

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860
Tamara Voss, Associate Hydrologist, (831) 755-4860

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Introduced: 2/24/2021 **Current Status:** Agenda Ready

Version: 1 **Matter Type:** WRA BMAC Item

Consider receiving and recommending that the Board of Directors receive the Well Locations Report for the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* Project..

RECOMMENDATION:
It is recommended that the Monterey County Water Resources Agency Basin Management Advisory Committee:

Receive and recommend that the Board of Directors receive the Well Locations Report for the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* Project.

SUMMARY/DISCUSSION:
In December 2020, the Monterey County Water Resources Agency (MCWRA) prepared a "Well Locations Report" deliverable per the grant agreement with the State Water Resources Control Board ("SWRCB") for the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* project ("Project").

Draft and final versions of the Well Locations Report were reviewed by the Technical Advisory Committee for the Project. In addition, the SWRCB requires that the MCWRA Board of Directors formally receive the Well Locations Report.

The purpose of the Well Locations Report is to present the purpose, location, Project scope and hydrogeology in the Project area; provide data illustrating the hydrology in and around the Project area; provide details on the wells that will be destroyed as part of the Project; and discuss groundwater monitoring in the Project area.

In addition to summarizing hydrogeologic data, the Well Locations Report presents the outcome of a September 2020 field reconnaissance event intended to locate and identify wells for the Project; groundwater elevation data from August 2020; and groundwater quality data from June, August, and September 2020.

OTHER AGENCY INVOLVEMENT:
The Project is funded in part by a grant from the State Water Resources Control Board.

FINANCING:
There is no financial impact in receiving this report. Activities conducted in support and development

of the Well Locations Report funded by the Proposition 1 grant.

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860
Tamara Voss, Associate Hydrologist, (831) 755-4860

Attachments:
Well Locations Report

Introduced: 2/24/2021
Version: 1

Current Status: Agenda Ready
Matter Type: WRA BMAC Item

Consider receiving and recommending that the Board of Directors receive the Well Locations Report for the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* Project..

RECOMMENDATION:
It is recommended that the Monterey County Water Resources Agency Basin Management Advisory Committee:

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Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860
Tamara Voss, Associate Hydrologist, (831) 755-4860

Attachments:
Well Locations Report

Proposition 1 Groundwater Grant Program

Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley

Well Locations Report

Monterey County Water Resources Agency

December 2020

Agreement No. D1912532

Well Locations Report
for
Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley
Proposition 1 Groundwater Grant Program
Agreement No. D1912532

Prepared by:
Monterey County Water Resources Agency
1441 Schilling Place, North Bldg.
Salinas, CA 93901

Prepared for:
State Water Resources Control Board
Division of Financial Assistance
1001 I Street, 17th Floor
Sacramento, CA 95814

Disclosure Statement

Funding for this project has been provided in full or in part by Proposition 1 – the Water Quality, Supply, and Infrastructure Improvement Act of 2014 through an agreement with the State Water Resources Control Board. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

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1.0 Introduction

This Well Locations Report has been developed by the Monterey County Water Resources Agency ("MCWRA") in support of the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* project ("Project"), which is funded in part by a Proposition 1 implementation grant from the State Water Resources Control Board (Agreement No. D1912532).

1.1 Purpose of the Well Locations Report

The Well Locations Report describes the purpose, location, Project scope and hydrogeology in the Project area; provides cross sections to illustrate the hydrogeology in and around the Project area and information on the wells that will be destroyed as part of the Project; and discusses groundwater monitoring in the Project area for existing and Project-specific monitoring events.

2.0 Project Purpose, Location, and Scope

2.1 Project Purpose

The purpose of the Project is to eliminate conduits for migration of impaired groundwater between aquifers that serve as a water supply for domestic and municipal drinking water, and agricultural irrigation. Seawater intrusion and nitrate contamination have been documented in the Project area in both the 180-Foot and 400-Foot Aquifers.

Seawater intrusion, defined by MCWRA Ordinance No. 3790 as groundwater with a chloride concentration of 500 milligrams per liter (mg/L) or greater, has been mapped in the 180-Foot Aquifer since 1944 and in the 400-Foot Aquifer since 1959. In 2015, vertical migration of seawater intrusion from the 180-Foot to 400-Foot Aquifer was documented for the first time on MCWRA's seawater intrusion maps. While seawater intrusion has not been documented in the Deep Aquifers, a downward hydraulic gradient exists in the Project area that could facilitate the vertical movement of water from the 400-Foot Aquifer to the Deep Aquifers. Nitrate contamination has been identified in the 180-Foot Aquifer in 98 groundwater wells located within the project area. Nitrate concentrations range from 1 mg/L NO_3 to 577 mg/L NO_3.

Twenty wells that supply municipal drinking water are in, or within 0.5 mile, of the Project area. These wells extract water primarily from the 400-Foot Aquifer (13 wells) or the Deep Aquifers (6 wells); one well extracts water from both the 180-Foot and 400-Foot Aquifers. Eliminating conduits for movement of impaired groundwater will protect these aquifers that supply drinking water.

2.2 Project Location

The Project is located in Monterey County within the 180/400 Foot Aquifer Subbasin of the Salinas Valley Groundwater Basin (Figure 1). The Project area is largely coincident with the lands served by MCWRA's Castroville Seawater Intrusion Project ("CSIP"), also referred to as Zone B (see Figure 1), wherein growers irrigate using water supplied through a combination of recycled water, diversions

from the Salinas River, and groundwater supplied by MCWRA in lieu of individual groundwater well pumping.

2.3 Project Scope

This Project involves the destruction of at least one hundred (100) inactive or abandoned wells in order to prevent conduits that are allowing vertical migration of seawater- and nitrate-contaminated groundwater to drinking water supply wells.

This well destruction work is consistent with MCWRA Ordinance No. 3790 from 1994, which mandated the destruction of wells within the Castroville Seawater Intrusion Project ("CSIP") area, also referred to as Zone 2B, following successful start-up of that project (Appendix A).

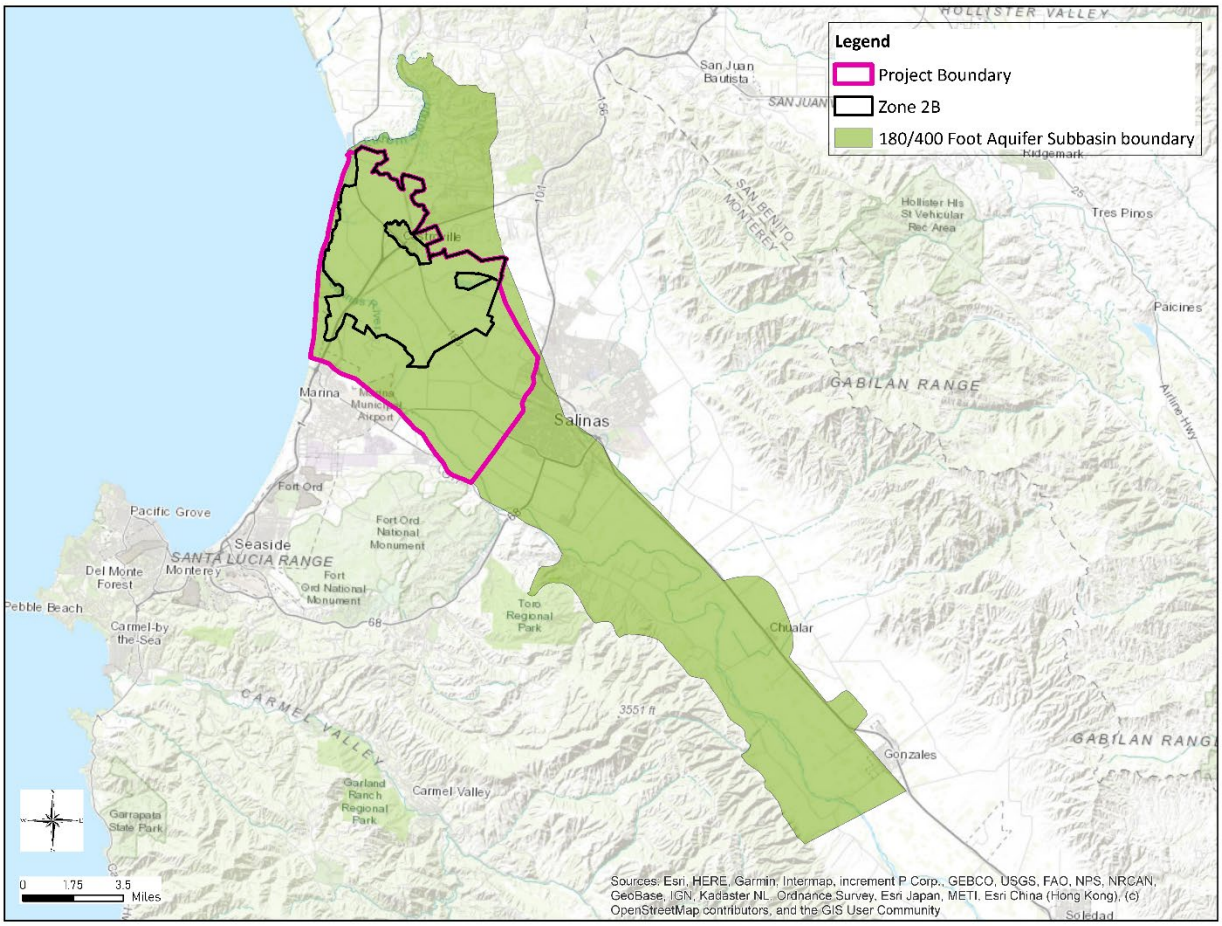

Figure 1: Project Area Map

3.0 Hydrogeology of the 180/400 Foot Aquifer Subbasin

The 180/400 Foot Aquifer Subbasin of the Salinas Valley Groundwater Basin is defined by the Department of Water Resources (DWR) on the basis of groundwater flow boundaries. The northwestern boundary of the 180/400 Foot Aquifer Subbasin is defined by the Monterey Bay and the western edge is shared with the Monterey Subbasin. The Corralitos-Pajaro Valley Groundwater Basin is found on the northern edge of the Subbasin while the southern border is shared with the Forebay Subbasin near the city of Gonzales.

The 180/400 Foot Aquifer Subbasin is comprised of a complex sequence of water-bearing sediments characterized by alternating aquifers and aquitards, with three primary aquifer units: the 180-Foot Aquifer, 400-Foot Aquifer, and Deep Aquifers (Figure 2, Appendix B). Historically, the sequence of strata has been grouped by major hydrostratigraphic units and represented from top to bottom as follows:

1. Shallow Alluvial Aquifer (also referred to as "Dune Sand Aquifer")
2. Salinas Valley Aquitard
3. 180-Foot Aquifer
4. 180/400-Foot Aquitard
5. 400-Foot Aquifer
6. 400-Foot/Deep Aquitard
7. Deep Aquifers

Due to the nature of current groundwater levels and vertical hydraulic gradients in the Project area, the 180-Foot, 400-Foot, and Deep Aquifers will all be protected by this Project. A downward vertical hydraulic gradient exists from the 180-Foot to 400-Foot Aquifers and from the 400-Foot to Deep Aquifers. Given the presence of a mechanism for vertical migration of impaired groundwater between aquifer units, wells within the Project area that are used to supply drinking water are in the 400-Foot Aquifer and Deep Aquifers.

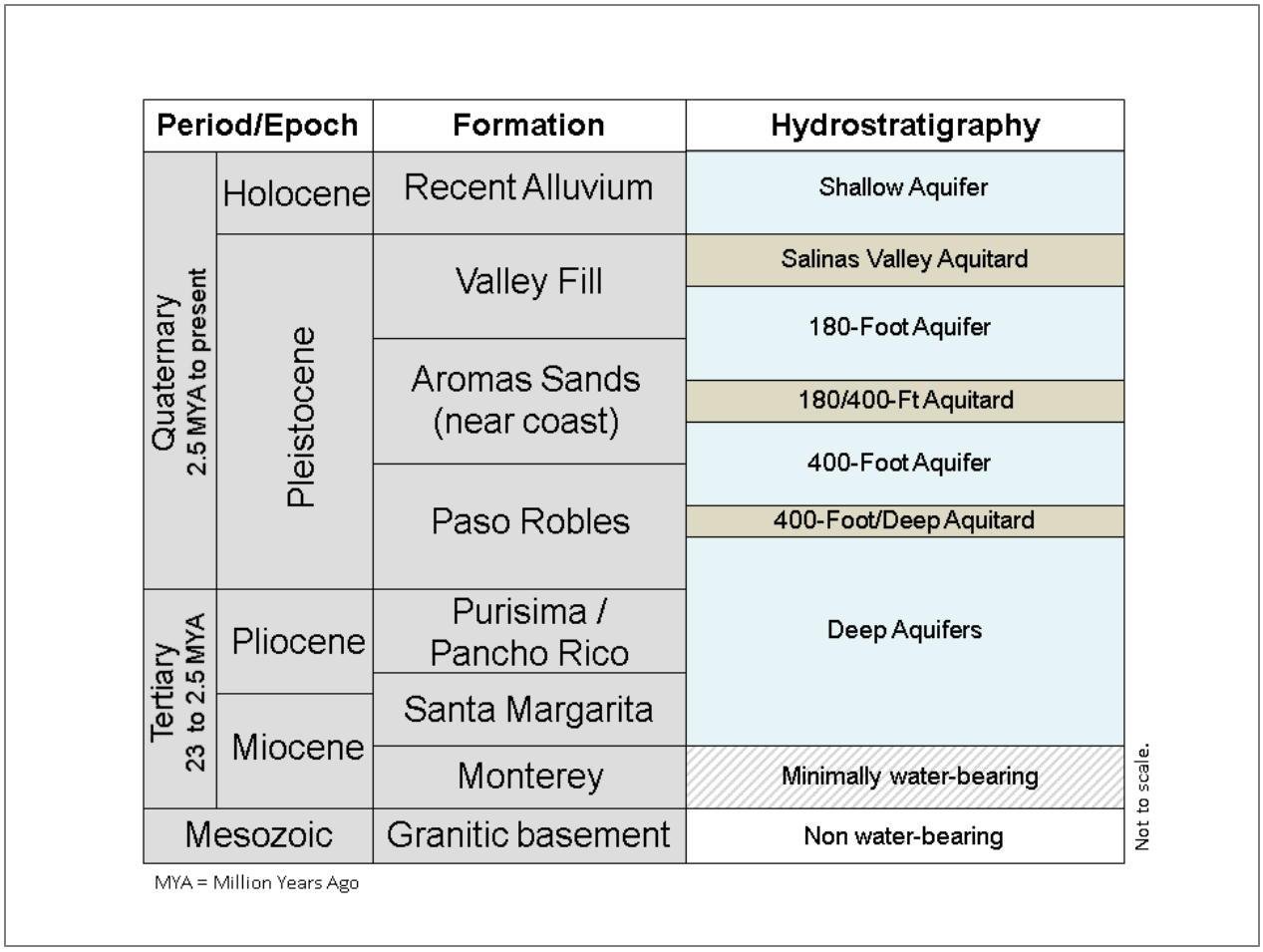

Figure 2: Stratigraphy and Hydrostratigraphy of the 180/400 Foot Aquifer Subbasin

3.1 Shallow Alluvial Aquifer

The Shallow Alluvial Aquifer, which is the same unit where the "Dune Sand" aquifer is found near the coast, contains perched groundwater in some areas overlying the Salinas Valley Aquitard.

3.2 Salinas Valley Aquitard

The Salinas Valley Aquitard consists of a series of blue or yellow sandy clay layers that overlies and confines the underlying 180-Foot Aquifer. The Salinas Valley Aquitard ranges in thickness from approximately 100 feet in the area west of Salinas, thinning to approximately 25 feet near Salinas, and pinches out east of Salinas (Kennedy/Jenks, 2004).

3.3 180-Foot Aquifer

The 180-Foot Aquifer is the uppermost laterally extensive aquifer in the northern Salinas Valley and is named for the depth at which it is typically encountered (DWR, 1946). The 180-Foot Aquifer ranges from 50 to 150 feet in thickness and spans multiple stratigraphic units (Kennedy/Jenks, 2004).

3.4 180/400-Foot Aquitard

The 180-Foot and 400-Foot Aquifers are separated by a zone of clay, or clay and sand layers, referred to as the 180/400-Foot Aquitard. This hydraulic barrier is widespread in the 180/400 Foot Aquifer Subbasin and varies in thickness, continuity, and quality (Kennedy/Jenks, 2004).

3.5 400-Foot Aquifer

This areally extensive layer of sand and gravel typically encountered between 270 and 470 feet below ground surface is referred to as the 400-Foot Aquifer (Kennedy/Jenks, 2004). The depth to the top of the aquifer, the thickness of the aquifer, and the degree of complete interbedding with clay layers is variable between wells (Thorup, 1976 and Kennedy/Jenks, 2004).

3.6 400-Foot/Deep Aquitard

The Deep Aquifers of the 180/400 Foot Aquifer Subbasin are separated from overlying strata and confined by an aquitard that can be several hundred feet thick (Kennedy/Jenks, 2004).

3.7 Deep Aquifers

The Deep Aquifers of the 180/400 Foot Aquifer Subbasin include aquifer units that have been referred to as the 800-Foot Aquifer, 900-Foot Aquifer, 1,000-Foot Aquifer, and the 1,500-Foot Aquifer (Harding ESE, 2001).

Studies of the deepest hydrostratigraphic unit of the 180/400 Foot Aquifer Subbasin, historically referred to as the Pressure Deep Aquifer, indicate that it consists of two units which, at least near the coast, are hydraulically isolated from one another. The uppermost unit in the Deep Aquifers consists of continental deposits of the Paso Robles Formation while the lower unit of the Deep Aquifers is associated with the marine Purisima Formation (Feeney and Rosenberg, 2003). The Purisima Formation has been mapped as being exposed on the southwestern side of the Monterey submarine canyon (Hanson et al., 2002).

4.0 Wells to be Destroyed

MCWRA has identified 105 wells for destruction as part of this Project (Table 1). These wells were evaluated with consideration for well construction details such as age, depth, and screened interval(s); proximity to domestic, municipal, or agricultural wells with nitrate detections; location within the seawater intruded area of the 180-Foot or 400-Foot Aquifers; distance to the communities of Castroville and Salinas, CA; and proximity to public water supply wells.

Wells that will be destroyed as part of this Project were selected because one or more of the following conditions exists: the well is completed with screened intervals in more than one aquifer; the well is suspected of inter-aquifer leakage based on water quality data; the well has an inadequate annular seal and is constructed in multiple aquifers; the well is located in an area with seawater intrusion in an overlying aquifer; the well is located within 0.5 mile of a nitrate detection in an overlying aquifer; or, the well is located in the seawater intruded area and has unknown construction details. Wells having one or more of these conditions pose a threat to continued impairment of the 400-Foot and Deep Aquifers. Destroying these wells, and eliminating these

anthropogenic conduits for contamination, will go a long way toward protecting the drinking water supply for Castroville and Salinas, CA.

4.1 Well Locations

In September 2020, MCWRA conducted a field reconnaissance effort to ground truth the GPS location data associated with each well, confirm the location and identity of each well, and document current conditions at each site. The outcome of the field effort can be summarized in four categories, as shown in Table 2 and reflected in Figure 3.

Table 2: Outcome of September 2020 Well Location Field Reconnaissance Effort	
(A) Well located and positively identified	44
(B) Well located but not positively identified	38
(C) Well not located or site inaccessible	20
(D) Well previously destroyed by MCWRA	3

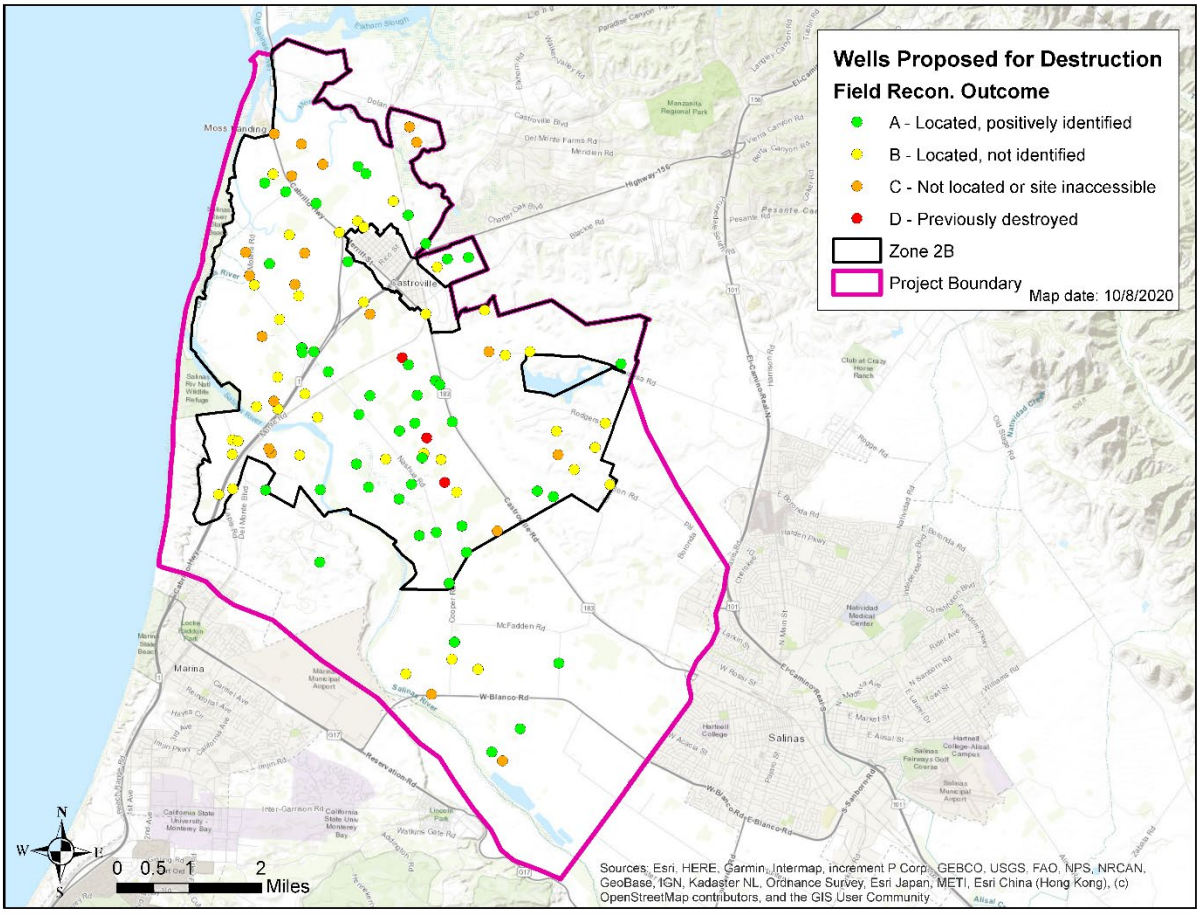

Figure 3: Wells Proposed for Destruction and Outcome of Sept. 2020 Field Reconnaissance Effort

An effort is underway to engage well owner and operators for assistance in identifying those wells in Category B (well located but not positively identified). For each, a single page site map and

accompanying photograph of the well has been generated and provided to well owner and/or operator, requesting assistance in either confirming the identity of the well or providing the location of the well that is being sought.

MCWRA is identifying ways to follow-up with wells in Category C (well not located or site inaccessible). In some cases, a subsequent field visit may be sufficient; some of the wells in Category C couldn't be accessed due to flooding or temporary hazardous conditions in the field. Other wells in Category C were inaccessible due to the need for additional access permission at the well site. In these cases, MCWRA will make a subsequent site visit when appointments have been made and/or site conditions are conducive to accessing the well. Other wells in Category C appear to be buried underground. MCWRA is exploring options for additional field efforts around buried wells, such as using metal detectors or ground penetrating radar.

In the case of the three wells that were previously destroyed under permits obtained by MCWRA, MCWRA has identified one additional well that will be substituted on the list. Efforts are ongoing to identify at least one more well within the Project area whose destruction will further the goals of this Project.

4.2 Well Completion Reports

Well Completion Reports or another related form that describes the geology and well construction details are available for 85 of the 105 wells proposed for destruction and are included as Appendix C. Well owner names and addresses have been removed from the Well Completion Reports in accordance with California Water Code Section 13752.

5.0 Groundwater Monitoring

MCWRA monitors groundwater levels and water quality in the Project area, and throughout the Salinas Valley Groundwater Basin, with a variety of ongoing programs.

5.1 Existing Programs

MCWRA conducts monthly and annual surveys of groundwater levels throughout the Salinas Valley Basin, with a lesser number of wells being measured during the monthly survey. Basin-wide, MCWRA measures groundwater levels at 107 wells on a monthly basis and 440 wells on an annual basis. All the wells measured monthly are included in the annual measurement program.

Groundwater quality samples are collected biannually in the coastal region of the Salinas Valley Groundwater Basin from approximately 115 wells. The wells that are monitored for groundwater levels and used for water quality sampling are a combination of privately owned agricultural wells, privately owned domestic or industrial wells, wells owned by public agencies, or dedicated monitoring wells owned by MCWRA. Most wells in MCWRA's monitoring programs are privately owned agricultural wells, as described in Table 1.

In addition, MCWRA conducts a "snapshot" groundwater level survey of the northern Salinas Valley by measuring groundwater levels at approximately 174 wells on a single day each August; 107 of these wells are in the monthly groundwater monitoring program. Wells included in this August groundwater level survey are predominately privately owned agricultural wells and MCWRA-

owned monitoring wells. The intent of the summer survey is to observe groundwater conditions when the aquifers are most stressed from pumping and natural recharge is at a minimum, which contributes to understanding mechanisms for seawater intrusion.

MCWRA maintains a network of fifty-one (51) monitoring wells in the Salinas Valley Groundwater Basin. These dedicated monitoring wells are counted as part of the monthly groundwater level monitoring program. At eighteen (18) of these monitoring wells, groundwater level data is recorded at hourly intervals by a pressure transducer. Groundwater levels in the remainder of MCWRA's monitoring wells are measured using other methods, such as electric sounder or steel tape. Distribution of MCWRA's monitoring wells is limited, so much of the groundwater level data is collected from privately-owned agricultural production wells (Table 1).

5.2 Project-Specific Monitoring Event

MCWRA conducted a groundwater monitoring and water quality sampling event in August 2020 at the beginning of the Project (Figure 4). Thirty-five of the wells proposed for destruction are part of MCWRA's groundwater level and/or water quality monitoring programs and were included in the Project-Specific Monitoring Event (Table 1; see end of document).

5.2.1 Groundwater Levels and Gradient

MCWRA collected groundwater level data from 148 wells on August 30 and 31, 2020 (Appendix D). Of these 148 wells, 47 are located within the Project boundary and the remaining 101 wells are in the surrounding area. Groundwater level data from 23 additional monitoring wells maintained by other external sources were also used in the development of groundwater contours.

Data from the August 2020 sampling event were used to generate two sets of groundwater elevation contours for the Project area (Figure 5 and Figure 6). One set of groundwater contours (Figure 5) uses data from wells in the shallow aquifers: the 180-Foot Aquifer, which is within the Project area, and the Eastside shallow aquifer, which is adjacent to the Project area to the east. The other groundwater contours (Figure 6) uses data from wells in the deeper aquifers: the 400-Foot Aquifer, which is within the Project area, and the Eastside deep aquifer, which is adjacent to the Project area to the east.

Groundwater elevations in the 180-Foot Aquifer range from -30 feet mean sea level (ft-msl) to 0 ft-msl in the Project area. The horizontal groundwater gradient in the 180-Foot Aquifer within the Project area is from southeast to northwest.

Groundwater elevations in the 400-Foot Aquifer range from -70 ft-msl to -10 ft-msl within the Project area. The deepest groundwater elevations are centered on a pumping trough in the eastern portion of the Project area. The pumping trough results in a horizontal groundwater gradient to the south-southwest in the immediate vicinity, though the regional groundwater gradient is to the west for the Project area as a whole. Groundwater elevations in the 180-Foot Aquifer are generally higher than in the underlying 400-Foot Aquifer within the Project area, which results in a downward vertical hydraulic gradient. This vertical gradient is germane to the Project because it is one of the mechanisms that has allowed for vertical migration of seawater- and nitrate-contaminated groundwater between aquifers.

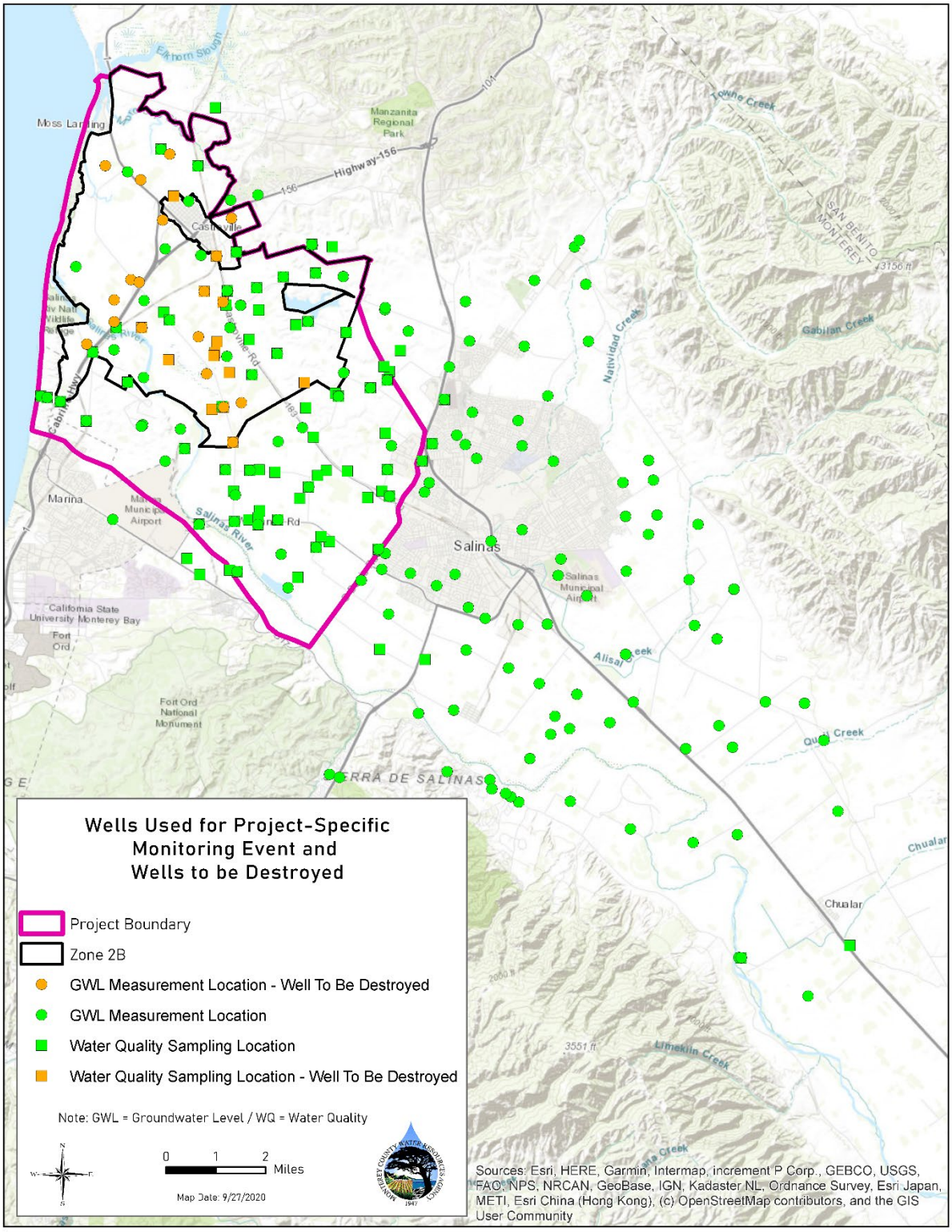

Figure 4: Wells Used for Project-Specific Monitoring Event and Wells to be Destroyed

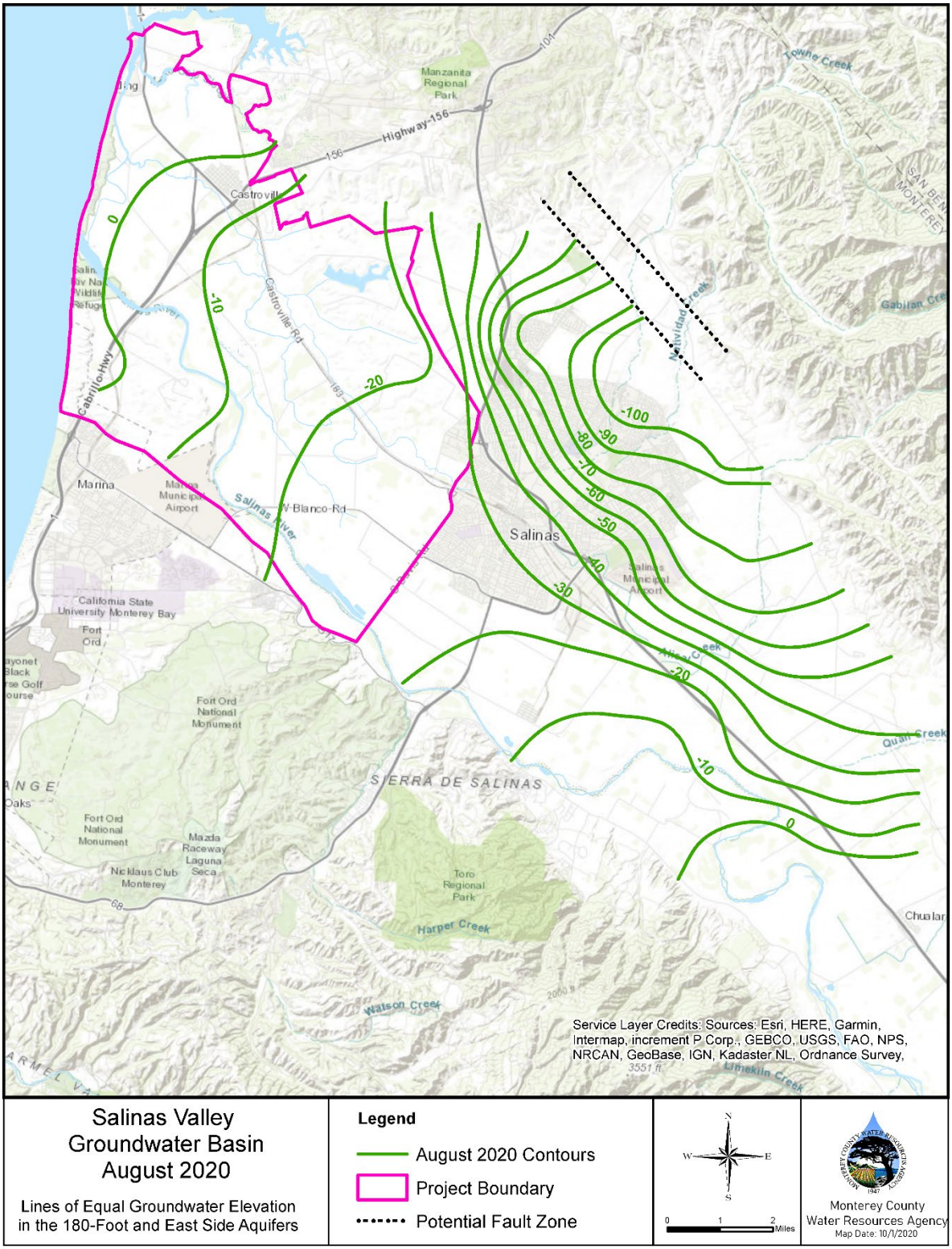

Figure 5: August 2020 Groundwater Level Contours in the 180-Foot and Eastside Shallow Aquifers

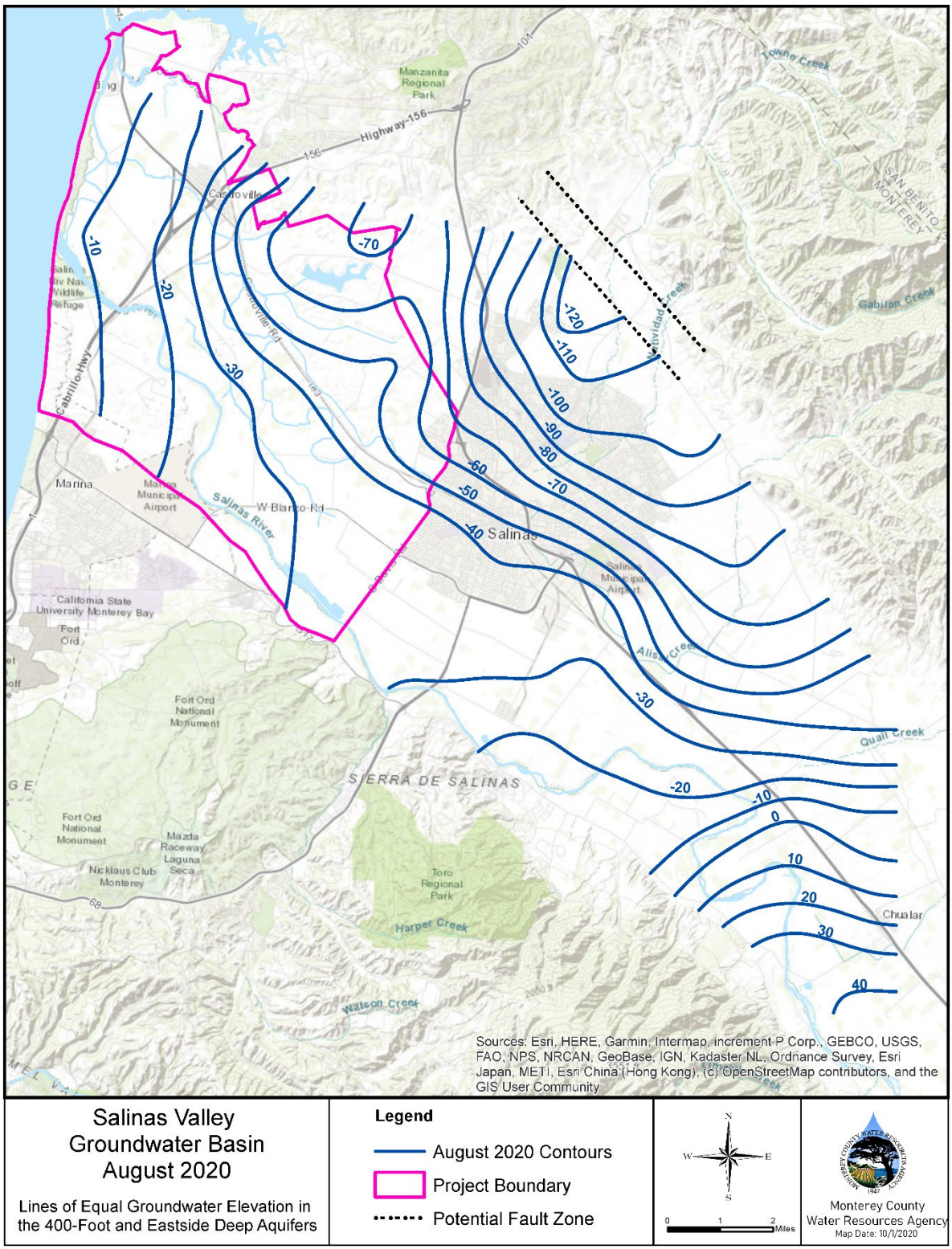

Figure 6: August 2020 Groundwater Level Contours in the 400-Foot and Eastside Deep Aquifers

5.2.2 Water Quality

MCWRA collected groundwater quality samples from 83 wells in the Project area in June, August, and September 2020. Data from the June, August, and September 2020 sampling events were processed and analyzed for this report (Appendix E).

All samples were collected and handled in accordance with the procedures and policies described in the Project's Monitoring and Reporting Plan (MRP) and Quality Assurance Project Plan (QAPP) (Appendices F and G, respectively). All samples were analyzed for an Ag Waiver Panel consisting of the following analytes: calcium, cation-anion balance, chloride, conductivity, magnesium, nitrate, pH, potassium, sodium, sulfate, total alkalinity, and total dissolved solids.

Using the data from the June 2020 event, MCWRA developed seawater intrusion contours for the 180-Foot and 400-Foot Aquifers, and plotted nitrate data to depict any hot spots within the Project area.

5.2.2.1 Seawater Intrusion in the 180-Foot Aquifer

MCWRA defines the seawater intrusion front as the inland extent at which the concentration of chloride in groundwater is at least 500 milligrams per liter (mg/L), per MCWRA Ordinance No. 3790 (Appendix A). Seawater intrusion was first documented in the 180-Foot Aquifer within the Project area in 1944 and has continued advancing to present day; however, the annual rate of advancement of the seawater intrusion front is slowing (Figure 7).[1] Based on the data collected during the Project-Specific Monitoring Event, seawater intrusion advanced only on the southern lobe of the seawater intrusion front in 2020.

[1] Seawater intrusion and groundwater level contour maps are considered provisional until presented to and accepted by the MCWRA Board of Directors, which is expected to occur in January 2021.

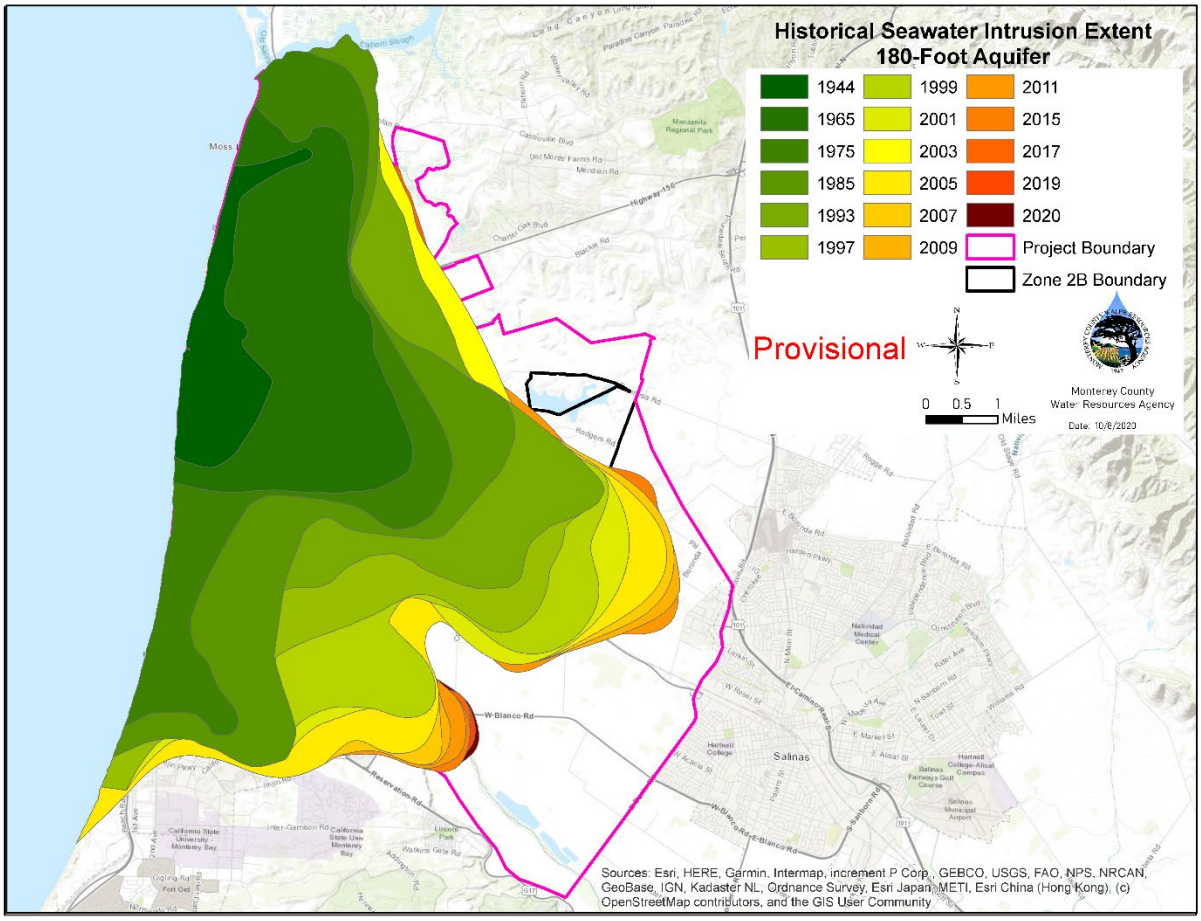

Figure 7: Historical Seawater Intrusion in the 180-Foot Aquifer

5.2.2.2 Seawater Intrusion in the 400-Foot Aquifer

Seawater intrusion was first documented in the 400-Foot Aquifer in 1959. In 2015, MCWRA first documented the presence of "islands" of impaired groundwater that were not contiguous with the historical seawater intrusion front (Figure 8). Following an in-depth investigation of the data, MCWRA concluded that these "islands" were the result of seawater intruded groundwater leaking from the 180-Foot Aquifer into the 400-Foot Aquifer (MCWRA, 2017). This phenomenon is attributed to the presence of three factors: overlying seawater intrusion, a downward hydraulic gradient, and the presence of a conduit (e.g. thin or absent aquitard, damaged well casing, or an abandoned or improperly destroyed well).

Data from the June 2020 sampling event shows three areas of change: advancement of the northern lobe of the historical seawater intrusion front; expansion of the large "island" of seawater intrusion to the east and south; and a merging of the middle and large "islands" of seawater intrusion (Figure 8).

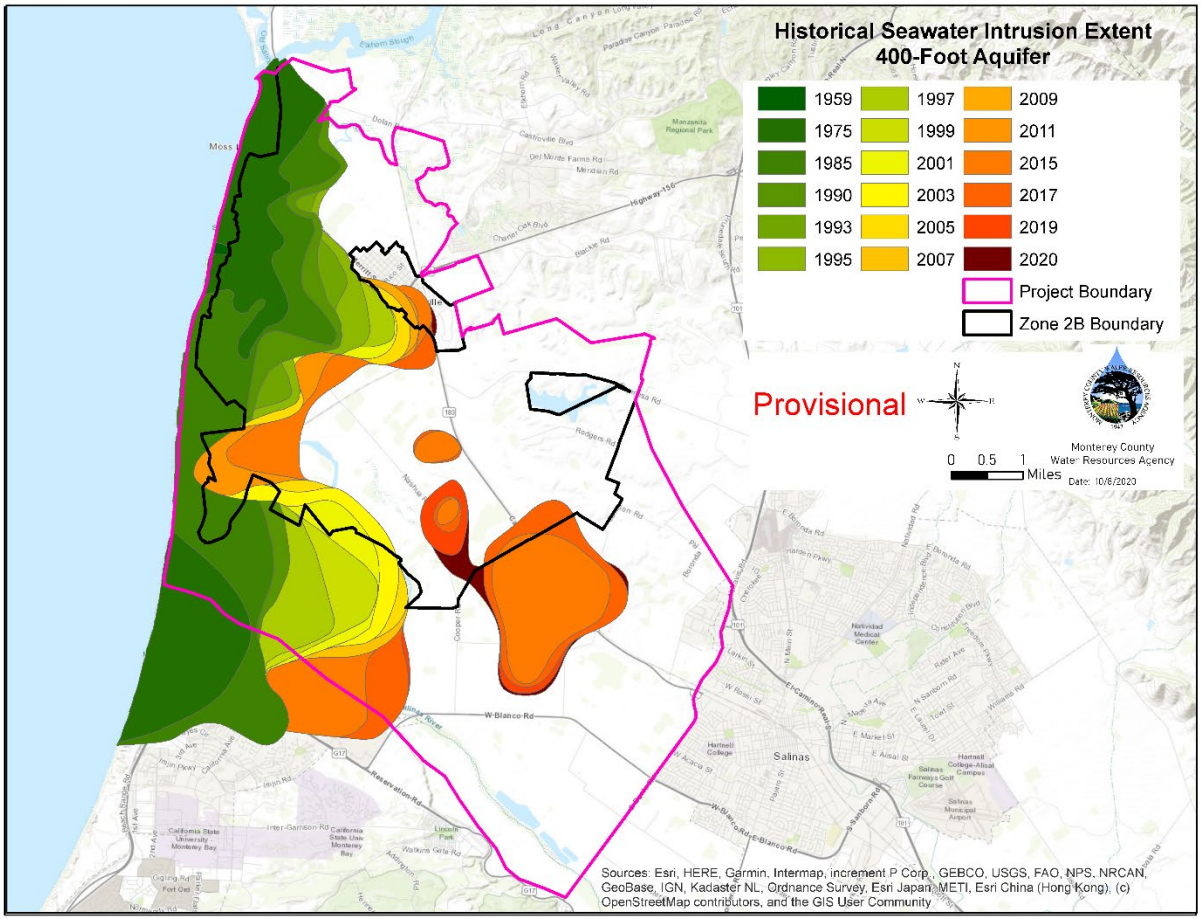

Figure 8: Historical Seawater Intrusion in the 400-Foot Aquifer

5.2.2.3 Nitrate Concentrations in the Project Area

Figure 9 depicts nitrate concentrations across the Project area from wells evaluated during the June 2020 sampling event. Wells from all aquifer units are shown on the same map, differentiated by symbology. Each data point is also color-coded based on nitrate concentration, with groupings made relative to the Maximum Contaminant Level (MCL) for nitrate of 45 mg/L as Nitrate as set by the California Department of Public Health. Table 3 summarizes the number of wells in each grouping.

The Well Prioritization List (Appendix F) identifies the 71 wells that are located within 0.5 mile of where nitrate has been detected in the 180-Foot Aquifer. Of these 71, five are in the areas where nitrate has been detected at or above the MCL: Facility Codes 1163, 1636, 1707, 2434, and 2435. No wells have yet been identified for destruction near the cluster of high nitrate detections on the eastern side of the Project area; this area will be the focus of any additional wells that are sought for inclusion in the Project.

Table 3: June 2020 Nitrate Concentration Data by Aquifer Unit					
Aquifer	**Grouping of Nitrate as Nitrate (mg/L)**				
	Non-detect	1-22.5 mg/L	22.6-45 mg/L	46-90 mg/L	Above 90 mg/L
Dune Sand Aquifer	0	0	0	0	1
180-Foot Aquifer	3	11	2	2	10
180-Foot and 400-Foot Aquifers	0	2	0	0	0
400-Foot Aquifer	7	37	5	0	1
Deep Aquifers	15	5	0	0	0
Eastside Deep Aquifer	0	5	1	1	0
Unknown Aquifer	1	11	1	0	0
TOTAL	**26**	**71**	**9**	**3**	**12**

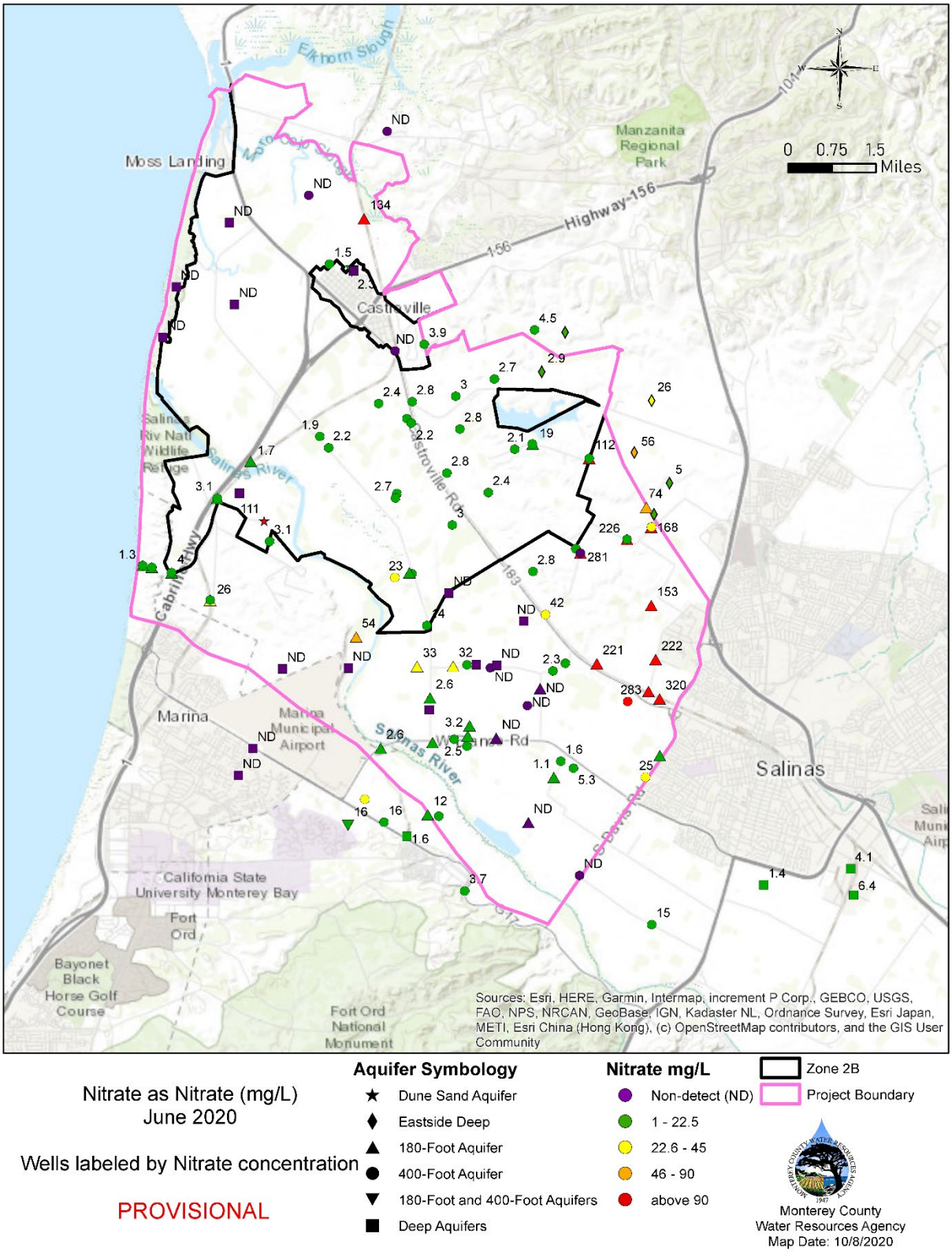

Figure 9: Nitrate as Nitrate (mg/L) for June 2020

6.0 Summary

MCWRA conducted a Project-Specific Monitoring Event, with results from water quality data collected in June, August, and September 2020 and groundwater level data collected in August 2020 presented herein.

Data from MCWRA's ongoing groundwater monitoring programs will be reviewed throughout the Project in support of evaluating Project performance.

7.0 References

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Monterey County Water Resources Agency. 2017. *Recommendations to Address the Expansion of Seawater Intrusion in the Salinas Valley Groundwater Basin.* Special Reports Series 17-01.

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Appendix A

Monterey County Water Resources Agency

Ordinance No. 3790

COPY

Monterey County
Water Resources Agency

Ordinance No. 03790

AN ORDINANCE OF
THE MONTEREY COUNTY WATER RESOURCES AGENCY
ESTABLISHING REGULATIONS FOR THE CLASSIFICATION,
OPERATION, MAINTENANCE AND DESTRUCTION OF
GROUNDWATER WELLS IN MCWRA ZONE 2B,
TO PROTECT THE SALINAS VALLEY GROUNDWATER BASIN
AGAINST FURTHER SEAWATER INTRUSION

COUNTY COUNSEL SUMMARY

This ordinance provides for the management of all groundwater wells within the Castroville Seawater Intrusion Project area, known as Zone 2B, following completion and start-up of the Castroville Seawater Intrusion Project. It prohibits and otherwise restricts pumping from groundwater wells in Zone 2B, and it provides for the classification of the various wells, for the maintenance and limited operation of standby wells, and for the destruction of abandoned wells, contaminated wells, wells that allow cross-contamination of aquifers in intruded areas, and other wells. The ordinance establishes a procedure for the destruction of wells, a variance procedure, an appeals procedure, and penalties for violations of the ordinance.

The Board of Supervisors of the Monterey County Water Resources Agency makes the following findings:

A. Appropriate studies have been conducted by the Monterey County Water Resources Agency (MCWRA), and based upon those studies, the Board of Supervisors determines that the portion of the Salinas Valley Groundwater Basin that underlies MCWRA Zone 2B is threatened with the loss of a usable water supply as a result of seawater intrusion into that portion of the groundwater basin, in each of the aquifers at all depths underlying Zone 2B.

B. Pursuant to the MCWRA Act, West's Water Code Appendix, Chapter 52, section 52-22, the Board determines that it is necessary to take steps prohibiting and otherwise restricting the withdrawal of water from the portion of the Salinas Valley Groundwater Basin underlying Zone 2B, in order to deter the further intrusion of underground seawater in Zone 2B, by establishing and defining the area and depth from which the further extraction of groundwater is prohibited.

C. The Board has conducted a public hearing upon the proposed determination, with notice of the hearing given in the manner prescribed in Government Code Sec. 6065. At the hearing, the Board accepted evidence showing the nature and extent of the threat of seawater intrusion and the facilities proposed in order to provide to the area threatened a substitute supply of surface water.

D. Said hearing having been concluded, the Board determines that a threat of seawater intrusion exists which will be aggravated by continued groundwater extraction in the 180-foot aquifer, the 400-foot aquifer, and the deep aquifer, at all depths therein underlying Zone 2B, and that the prohibitions and restrictions on the pumping of groundwater in these aquifers are necessary in order to alleviate the seawater intrusion problem. The Board further determines that the Castroville Seawater Intrusion Project (CSIP) will provide a substitute water supply that will be adequate to replace the water supply previously available from the wells that will be affected by the prohibition against pumping.

E. The CSIP is designed to supply all of the agricultural water needs in Zone 2B. This water will be obtained from the Salinas Valley Reclamation Project (SVRP) and from the supplemental wells that will be maintained and operated by the MCWRA as part of the CSIP. Water from the SVRP will provide the basic water supply for the CSIP, and water from the supplemental wells will be used to meet peak demands during the heavy irrigation season and to provide a backup water supply when the SVRP does not produce its full quota of water.

F. Property owners and growers in Zone 2B have requested that additional wells be maintained as standby wells, as an additional assurance that an adequate water supply will be available at all times. The ultimate success of the CSIP depends upon the reduction of groundwater pumping from Zone 2B. However, the maintenance of standby wells at the expense of owners is an appropriate action and will not compromise the success of the CSIP if such standby wells are maintained and operated under the limitations set forth in this ordinance.

G. The CSIP and the regulations set forth in this ordinance are designed as measures to protect the groundwater supply in the northern part of the Salinas Valley Groundwater Basin. They are not intended to effect any diminution in the basic groundwater rights held by overlying owners in the area subject to regulation but are put into effect in furtherance of the MCWRA's duty to manage the Salinas Valley Groundwater Basin and to protect the water supplies therein. By complying with these regulations and by participating in the CSIP, the overlying owners do not waive or prejudice any water rights held by them, now or in the future. If at some time in

the future, these regulations or any successor regulations are no longer necessary to protect the groundwater basin and are then modified or removed, then the groundwater rights of the overlying owners in Zone 2B will be exercisable in conformity with such laws as may then be in effect, and the overlying owners will suffer no prejudice in that regard because of the CSIP, these regulations, or any successor regulations.

H. On April 7, 1992, in Resolution No. 92-126, the Board of Supervisors described and approved the Castroville Irrigation System (now known as the Castroville Seawater Intrusion Project or CSIP), as a separate project within the Salinas Valley Seawater Intrusion Program, and certified that the Final EIR for the project (CSIP EIR) was complete and was prepared in compliance with the California Environmental Quality Act. As so described and approved, the project included the proposed enactment of an ordinance to prohibit or restrict the further pumping of groundwater from within Zone 2B. The present ordinance is consistent with the ordinance described and approved in Resolution No. 92-126 and in the CSIP EIR certified therein; it is proposed as part of the CSIP and is within the scope of the project described in the CSIP EIR; it will cause no new environmental effects beyond those considered in the CSIP EIR and no new mitigation measures need be considered for this ordinance; and it does not require further environmental review.

NOW, THEREFORE, the Board of Supervisors of the Monterey County Water Resources Agency ordains as follows:

SECTION 1. The following provisions are adopted:

PART I -- DEFINITIONS

1.01.01. GENERAL APPLICATION

As used in this ordinance, the following words shall have the meaning provided in this part.

1.01.02 ABANDONED WELL

"Abandoned Well" means any well whose original purpose and use have been permanently discontinued or which is in such a state of disrepair that it cannot be used for its original purpose. A well is deemed to be an abandoned well when it has not been used for a period of one year, unless the owner demonstrates his or her intent to use the well again for supplying water or other associated purposes. A well classified under this ordinance as a standby well shall not be deemed to be an abandoned well for as long as such classification remains in effect, despite any period of non-use of such well.

1.01.03 AQUIFER STORAGE AND RECOVERY (ASR) WELL

An "aquifer storage and recovery (ASR) well" is a well proposed, maintained, or operated by the MCWRA or by the Monterey Regional Water Pollution Control Agency as part of an aquifer storage and recovery project.

1.01.04 CATHODIC PROTECTION WELL

"Cathodic Protection Well" means any artificial excavation in excess of fifty feet in depth constructed by any method for the purpose of installing equipment or facilities for the protection electronically of metallic equipment in contact with the ground, commonly referred to as cathodic protection.

1.01.05 COMMERCIAL OR INDUSTRIAL WELL

"Commercial or industrial well" means any well used to supply water for commercial or industrial purposes, excluding any well that is used in whole or in part to supply water for agricultural irrigation. A commercial or industrial well may also be classified as a domestic well, provided that it shall not also be classified as a standby well.

1.01.06 DOMESTIC WELL

"Domestic well" means a well used for the supply of groundwater for potable uses. A domestic well may also be classified as a standby well for agricultural use.

1.01.07 GENERAL MANAGER

"General Manager" means the MCWRA General Manager or his or her designee.

1.01.08 GENDER, NUMBER, AND TENSE

Words used in any gender include any other gender. The singular number includes the plural, and the plural the singular. Words used in the present tense include the future as well as the present.

1.01.09 MONITORING WELL

"Monitoring Well" means any artificial excavation constructed by any method for the purpose of monitoring fluctuations in groundwater levels, quality of underground waters, or the concentration of contaminants in underground waters.

1.01.10 PERSON

"Person" means any individual, organization, partnership, business, association, corporation or governmental agency.

1.01.11 PROJECT START-UP

"Start-up of the Castroville Seawater Intrusion Project" or "project start-up" means the date on which the General Manager declares that the project known as the Castroville Seawater Intrusion Project is operational after reclaimed water is first delivered or deliverable through the project pipeline to all customers in MCWRA Zone 2B for agricultural irrigation.

1.01.12 PROJECT WATER

"Project water" means water supplied to property in Zone 2B by the Castroville Seawater Intrusion Project for use in the irrigation of crops.

1.01.13 SEAWATER INTRUDED

An aquifer is "seawater intruded" at any particular location of measurement when, at the location of measurement, the chloride ion concentration in the aquifer exceeds 500 mg/liter, and the General Manager determines that the contamination is not a localized contamination.

1.01.14 SECTION HEADINGS

Section headings used in this ordinance shall not be deemed to govern, limit, modify, or in any manner affect the scope, meaning, or intent of the provisions of any section.

1.01.15 STANDBY WELL

"Standby Well" means a well not routinely operated but maintained by the well-owner for purposes of providing a water supply to the well-owner's property under emergency conditions.

1.01.16 SUPPLEMENTAL WELL

"Supplemental Well" means any well maintained or operated by the MCWRA as a part of the Castroville Seawater Intrusion Project.

1.01.17 TEST WELL

"Test Well" means any artificial excavation used for water quality testing, electric logging, water quantity testing and/or

other tests to determine aquifer quality and quantity characteristics.

1.01.18 WELL

"Well" or "water well" means any artificial excavation constructed by any method for the purpose of extracting water from, or injecting water into, the underground. "Well" or "water well" does not include wells used for the purpose of dewatering excavation during construction or for the purpose of stabilizing hillsides or earth embankments.

1.01.19 ZONE 2B

"MCWRA Zone 2B" or "Zone 2B" means the zone of benefit identified as Zone 2B and established by the MCWRA Board of Supervisors for the Castroville Irrigation System, now known as the Castroville Seawater Intrusion Project, in MCWRA Ordinance No. 3635, Section 4. The initial boundaries of Zone 2B are described in MCWRA Board of Supervisors Resolution No. 92-363 and may be amended from time to time.

PART II -- BASIC RULES.

1.02.01 COMPLIANCE WITH ORDINANCE

No person shall construct, own, operate, or maintain any water well located within the boundaries of MCWRA Zone 2B, as those boundaries may exist from time to time, except in compliance with this ordinance.

1.02.02 OPERATION OF WELLS IN ZONE 2B

After the expiration of 30 days following the date on which project water becomes available to any particular property within Zone 2B, no person shall operate any well within Zone 2B to provide water to such property for agricultural irrigation except when:

A. the well is a supplemental well operated by the MCWRA, or

B. the well is a standby well operated in conformity with this ordinance.

1.02.03 IMPORTING GROUNDWATER INTO ZONE 2B

After the start-up of the Castroville Seawater Intrusion Project, no well located anywhere in the Salinas Valley Groundwater Basin shall be used to supply water for use in the irrigation of

agricultural lands located within Zone 2B, and no person shall cause, suffer, or permit such use of such water, unless:

A. the well from which such water is obtained is a supplemental well operated by the MCWRA as part of the Castroville Seawater Intrusion Project or the well is operated by the MCWRA as part of another water supply project, or

B. the well from which such water is obtained is a standby well operated in conformity with this ordinance.

1.02.04 EXPORTING GROUNDWATER FROM ZONE 2B

After the start-up of the Castroville Seawater Intrusion Project, no well located anywhere within the external boundaries of Zone 2B (including wells that are located within Zone 2B and wells that are located within island exclusions from Zone 2B that are surrounded by Zone 2B) shall be used to supply water for use outside of the external boundaries of Zone 2B, and no person shall cause, suffer, or permit such use of such water, except that water from wells within the external boundaries of Zone 2B may be used outside the external boundaries of Zone 2B under the following circumstances:

A. The water is used for domestic purposes on parcels that are immediately adjacent to the external boundaries of Zone 2B; or

B. The water is used for domestic purposes on other parcels where the use has been established and water delivery pipelines are in place for such delivery on or before the effective date of this ordinance.

1.02.05 DESTRUCTION OF WELLS

After the start-up of the Castroville Seawater Intrusion Project, no person shall own, operate, or maintain a well in Zone 2B if such well is required to be destroyed, in violation of such destruction requirement, and no person shall interfere with actions taken by the MCWRA to accomplish the destruction of such a well in conformity with this ordinance.

1.02.06 COMPLIANCE WITH CHAPTER 15.08 STANDARDS

Except as otherwise expressly provided herein, all wells located in Zone 2B shall conform with all of the provisions of Chapter 15.08 of the Monterey County Code.

1.02.07 CONSTRUCTION OF WELLS

No person may construct a well in Zone 2B without first obtaining a permit from the General Manager. The General Manager shall not issue a permit for construction of a well unless he or she finds that the construction will be consistent with the purposes of this ordinance and that the proposed well will be of a type specified in section 1.02.08.C, subsections 1-8.

1.02.08 CLASSIFICATION OF WELLS

A. Prior to the start-up of the Castroville Seawater Intrusion Project, the General Manager shall classify all wells located in Zone 2B and notify all well owners of the classification of their well.

B. At any time, the owner of a well may apply to the General Manager for a change in classification, pursuant to this ordinance. Upon receipt of new information or upon evidence of changed conditions, the General Manager may, on his or her own initiative, change the classification of a well, upon giving 30 days' advance notice in writing to the owner thereof. Before making any reclassification, the General Manager must find that the well no longer qualifies for its existing classification, or that the existing classification was made in error. The General Manager may, and at the request of the well owner, shall hold a public hearing to determine the appropriate classification or reclassification of any well.

C. The well classifications are as follows:

1. Supplemental well.
2. Aquifer storage and recovery (ASR) well.
3. Domestic well.
4. Commercial or industrial well.
5. Monitoring well.
6. Test well.
7. Cathodic protection well.
8. Standby well.
9. Abandoned well.
10. Other well.

D. When a well is classified or reclassified as a domestic well or as a commercial or industrial well, the General Manager shall identify by parcel number and/or street address the place where water from such well may be used, and may restrict the use of such water to a portion of the identified parcel.

PART III -- WELL DESTRUCTION

1.03.01 GENERAL RULE GOVERNING DESTRUCTION OF WELLS

Except as otherwise provided herein, all wells which are located in Zone 2B shall be destroyed in conformity with the provisions of this ordinance. The destruction of any well located in MCWRA Zone 2B shall be governed by this ordinance, and Chapter 15.08 of the Monterey County Code shall not be construed to require the destruction of any well located in Zone 2B. Chapter 15.08 of the Monterey County Code shall apply to the destruction of wells in Zone 2B only to the extent that reference is made herein to such Chapter 15.08.

1.03.02 WELLS EXEMPT FROM DESTRUCTION

The following wells which have not been abandoned and which do not fit within the description in Section 1.03.04.B are exempt from destruction, for as long as they are so classified:

A. Supplemental wells.

B. ASR wells.

C. Domestic wells.

D. Commercial or industrial wells.

E. Monitoring wells.

F. Test wells.

G. Cathodic protection wells.

H. Standby wells.

I. A well for which an application is pending for a classification that would exempt the well from destruction, provided that the applicant makes every reasonable effort to have the application determined promptly.

1.03.03 PREVIOUSLY ABANDONED WELLS

A. Each well abandoned prior to the start-up of the Castroville Seawater Intrusion Project shall be destroyed by the owner thereof in accordance with the methods prescribed or referenced in Monterey County Code Chapter 15.08. All costs associated with destruction of such wells shall be borne by the well owner.

B. If any well required to be destroyed by its owner pursuant to this section is not destroyed before the expiration of two years after project start-up, then the General Manager may cause the well to be destroyed, pursuant to the procedures specified below, in section 1.03.06, except that the cost of such destruction shall be charged to the property owner. The MCWRA may file a civil action against the owner to collect such cost, or the amount may be collected in any criminal proceeding against the owner for failure to destroy the well.

1.03.04 CONTAMINATED AND CROSS-CONTAMINATING WELLS

Each well meeting any of the criteria set forth below, other than wells which are required to be destroyed pursuant to Section 1.03.03, shall be destroyed by the MCWRA within two years after start-up of the Castroville Seawater Intrusion Project. All costs for destruction of such wells shall be borne by the MCWRA. The General Manager may extend the time for destruction of such wells when funds are not available or budgeted for such purpose. The criteria for such wells are as follows:

A. Any well that is found by the General Manager to be perforated in both the 180-foot aquifer and any underlying aquifer.

B. Any well that is found by the General Manager to have perforations in two aquifers, improper seals, or other improper construction or condition of the well, such that the well provides an actual or potential conduit for water in a seawater intruded area of an aquifer to enter a non-intruded area of a separate aquifer.

1.03.05 DESTRUCTION OF NON-EXEMPT WELLS

Each well that is not exempt from destruction, and that is not required to be destroyed pursuant to section 1.03.03 or 1.03.04, shall be destroyed pursuant to this section in conformity with a schedule adopted by the MCWRA Board of Directors. Said schedule shall provide that the destruction of such wells shall not begin (a) until the Castroville Seawater Intrusion Project has established a satisfactory record of water deliveries, as determined by the Board of Directors, or (b) until at least one year after the start-up of the Castroville Seawater Intrusion Project, whichever occurs later.

Said schedule may provide for destruction to be completed within three years after project start-up. The Board of Directors may delegate authority to the General Manager to amend the schedule from time to time. Said wells shall be destroyed by the MCWRA in accordance with the methods prescribed or referenced in Monterey County Code Chapter 15.08. The MCWRA shall bear the cost of such destruction.

1.03.06 PROCEDURE FOR DESTRUCTION OF WELLS

At least 90 days before the MCWRA destroys any particular well, the General Manager shall give written notice to the owner of the well that the well will be destroyed. Notice shall be deemed sufficient if sent by registered or certified U.S. mail, return receipt requested, to the name and address shown as that of the owner of the real property on which the well is located, in the latest available official records of the Monterey County Assessor. The notice shall identify the well in question and the property on which it is located and shall advise the owner of the proposed action to be taken, the proposed timing of the action, and his or her right of appeal as provided herein. The notice shall further state that if the property on which the well is located is leased, the owner must provide a copy of the notice to the tenant, and tenant on the property will also have a right of appeal.

PART IV -- STANDBY WELL CLASSIFICATION.

1.04.01 CRITERIA FOR CLASSIFICATION AS STANDBY WELL

The General Manager shall classify a well as a standby well, whether on the initial classification or on a change in classification, if he or she makes both of the following findings:

A. The well does not meet any of the criteria for destruction described in Section 1.03.04 of this ordinance.

B. The owner of the well will comply with all of the requirements of this ordinance applicable to standby wells.

1.04.03 INSPECTIONS

The MCWRA may at any time inspect any standby well and any well for which the owner submits an application for classification as a standby well, to ensure that the well and its appurtenant facilities do or will comply with this ordinance. Access to the well site shall be maintained by the well owner, and the MCWRA shall have the right of access to inspect the well at all times.

PART V -- STANDBY WELL REGULATIONS.

1.05.01 GENERAL RULE

A well that has been classified as a standby well shall immediately thereupon be subject to the regulations set forth below.

1.05.02 FLOWMETER

A flowmeter shall be installed on all of the standby wells at the expense of the well owner and shall be fully maintained by the owner in accordance with MCWRA requirements.

1.05.03 ACCESS

Access to the standby well site shall be maintained by the well owner, and the MCWRA shall have the right of access to inspect the well at all times.

1.05.04 USE OF STANDBY WELLS DURING FIRST TWO YEARS AFTER PROJECT START-UP

During the first 24 months after project start-up, standby wells may be used intermittently to supply irrigation water to lands within Zone 2B, without regard to whether an emergency exists. The purpose of this section is to enable growers and the Agency to make the transition from reliance on well water to reliance on project water with a minimum of interruption in the grower's water supply.

1.05.05 AUTHORIZED PURPOSES FOR OPERATION OF STANDBY WELLS

Standby wells may be operated only for the following purposes:

A. To perform routine maintenance on the standby well;

B. To provide an irrigation water supply for property in Zone 2B in an emergency as described in section 1.05.06;

C. To provide potable water when the standby well is used as a domestic well.

D. To provide a water supply for the irrigation of any crop or crops for which irrigation with water supplied by the project is prohibited by any law, rule or regulation established by any entity or agency with authority over the irrigation of such crops.

1.05.06 EMERGENCY JUSTIFYING OPERATION OF STANDBY WELL

An emergency exists and justifies use of standby wells when all of the following circumstances occur:

A. The grower has given advance notice of his or her need for project water and a schedule for delivery of water to the grower's property has been set, in conformity with procedures established by the MCWRA; and

B. The MCWRA fails to deliver project water on schedule; and

C. The grower then makes contact with the MCWRA by telephone and the MCWRA confirms that the water will not be delivered on the day scheduled for delivery.

1.05.07 COMPLIANCE WITH HEALTH DEPARTMENT REGULATIONS

No standby well shall be used as a domestic well unless such use is in compliance with applicable health regulations, and unless the well is maintained in compliance with such health regulations.

1.05.08 OWNERSHIP

Standby wells shall remain under private ownership, and are not the property of the MCWRA.

1.05.09 COSTS OF MAINTENANCE AND OPERATION

All costs associated with maintenance and operation of standby wells shall be borne by the owner or operator of said well, or by such other person as may agree to assume such costs.

PART VI -- VARIANCES.

1.06.01 APPLICATION

Any person may, at any time, apply in writing for a variance from the strict application of this ordinance. The application for the variance shall be filed with the MCWRA. The General Manager may dispense with the requirement of a written application upon finding that an emergency condition requires immediate action on the variance request.

1.06.02 PLAN FOR COMPLIANCE

The applicant shall, as part of the variance application, submit a plan describing how and when the applicant will comply with this ordinance without the need for a variance. Compliance with

this plan, as presented by the applicant or as modified by the General Manager, shall be a condition of granting the variance. The General Manager may waive the requirement for such a plan if he or she finds that compliance would not be feasible.

1.06.03 FINDINGS FOR GRANT OF VARIANCE

The General Manager may grant a variance from the terms of this ordinance upon making the finding that the strict application of the ordinance would create an undue hardship, or that an emergency condition requires that the variance be granted.

1.06.04 CONDITIONS ON GRANT OF VARIANCE

In granting a variance, the General Manager may impose any conditions in order to ensure that the variance is consistent with the overall goals of this ordinance. Variances may be granted for a limited period of time. The variance and all time limits and other conditions attached to the variance shall be set forth in writing, and a copy of the written variance shall be provided to the applicant.

1.06.06 COMPLIANCE WITH TERMS OF VARIANCE

No person shall operate or maintain a groundwater well for which a variance has been granted hereunder, or use water therefrom, in violation of any of the terms or conditions of the variance.

PART VII -- APPEALS

1.07.01 PUBLIC HEARING RIGHTS OF APPLICANTS AND INTERESTED PARTIES

Applicants may attend all public meetings and public hearings held by the General Manager on their applications and may submit such written and documentary evidence as may be relevant to the consideration of an application, whether or not a public meeting or hearing is held. Any interested person, other than an applicant, may also attend the public meetings or public hearings at which the General Manager considers an appealable decision and may submit such written and documentary evidence as may be relevant to the consideration of an application, whether or not a public meeting or hearing is held, provided that such party shall simultaneously submit copies of all such information to the applicant and shall show proof of such submittal to the General Manager along with the written information provided to the General Manager. Any such interested person may then, in writing, request a copy of the General Manager's written decision.

1.07.02 RIGHT OF APPEAL

Any applicant or interested party may appeal any decision by which the General Manager (a) orders the destruction of any privately owned well under this ordinance, (b) grants or denies a variance, permit, classification, or reclassification under this ordinance; (c) gives or withholds any consent when such consent is established by this ordinance as a prerequisite to further action; or (d) imposes conditions on any such variance, permit, classification, reclassification, or consent. No person may file an appeal of a decision made after a public meeting or hearing on the issue unless that person attended the meeting or hearing upon which the appealable decision was based and expressed his or her concerns orally or in writing at that meeting or hearing, or unless such person filed papers with the general manager setting forth such person's concerns prior to such meeting or hearing.

1.07.03 PROCEDURE ON APPEAL

A. Any appeal authorized by this ordinance shall be filed and processed as provided in the section of Ordinance No. 3539, as now in effect or as subsequently amended or superseded, pertaining to appeals, and as further supplemented in this ordinance. Any appeal must be in writing and must state the grounds upon which the appeal is made.

B. Any appeal must be filed with the general manager no later than ten days after the date the general manager issues an appealable decision, except that an appeal from a decision ordering the destruction of a privately owned well must be made no later than 60 days after the date the general manager issues the decision. A decision is issued when the decision is set forth in writing and personally delivered to the applicant, or on the fifth day after mailing said decision to the applicant, to the address provided by the applicant for such mailing. As to an interested person (other than an applicant) who has requested a copy of the written decision, the General Manager's written decision is issued when it is personally delivered to such person or on the fifth day after mailing said decision to such person, to the address provided by such person for such mailing.

C. The appeal of any decision made by the General Manager following a public meeting or public hearing shall be limited to the issues raised at the public meeting or hearing and thereafter specified in the written appeal. The appeal of any decision made by the General Manager without a public meeting or public hearing may consider any issue that might have been raised at a public hearing or meeting, provided that such issue must be specified in the written appeal.

D. At the hearing on appeal, the hearing board will consider de novo the issues that are before the board on the appeal.

PART VIII -- PENALTIES.

1.08.01 INFRACTION

Any person who violates any provision of this ordinance is guilty of an infraction.

1.08.02 PUBLIC NUISANCE

Any violation of this ordinance is hereby declared to be a public nuisance.

1.08.03 CONTINUING VIOLATIONS

Any violation which occurs or continues to occur from one day to the next shall be deemed a separate violation for each day during which such violation occurs or continues to occur.

1.08.04 FINE

A. Any person who violates any provision of this ordinance which prohibits or restricts the pumping of groundwater shall be assessed a fine of $100 for each acre-foot (or portion thereof) of water pumped in violation of this ordinance.

B. Any person who violates any other provision of this ordinance shall be assessed a fine of $100 for each violation.

1.08.05 LIABILITY FOR COSTS OF ENFORCEMENT

Any person who violates this ordinance shall be liable for the cost of enforcement, which may include but need not be limited to the following:

A. Cost of investigation

B. Court costs

C. Attorney fees

D. Cost of monitoring compliance

PART IX -- CONCLUDING PROVISIONS

1.09.01 SEVERABILITY

If any section, subsection, paragraph, sentence, clause, or phrase of this ordinance is for any reason held to be invalid or unconstitutional by a decision of a court of competent jurisdiction, it shall not affect the validity of the remaining portions of this ordinance, including any other section, subsection, sentence, clause, or phrase therein.

SECTION 2. EFFECTIVE DATE. This ordinance shall take effect 30 days after its final adoption by the Board of Supervisors.

PASSED AND ADOPTED this 8th day of November, 1994, by the following vote:

AYES: Supervisors Salinas, Shipnuck, Perkins, Johnsen & Karas.
NOES: None.
ABSENT: None.

BARBARA SHIPNUCK, Chairwoman
Board of Supervisors

ATTEST:

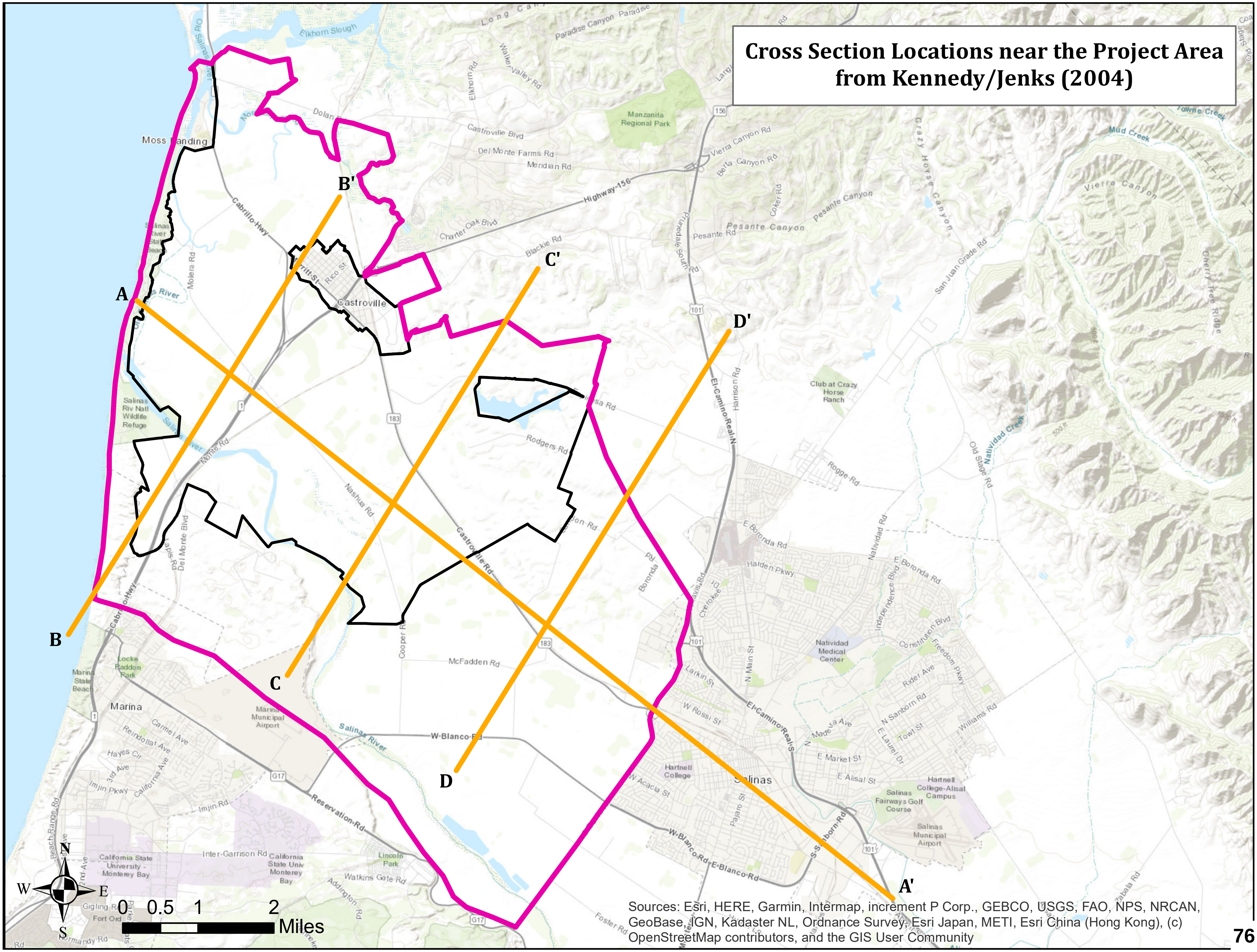
ERNEST K. MORISHITA
Clerk of the Board

By _____
Deputy Clerk

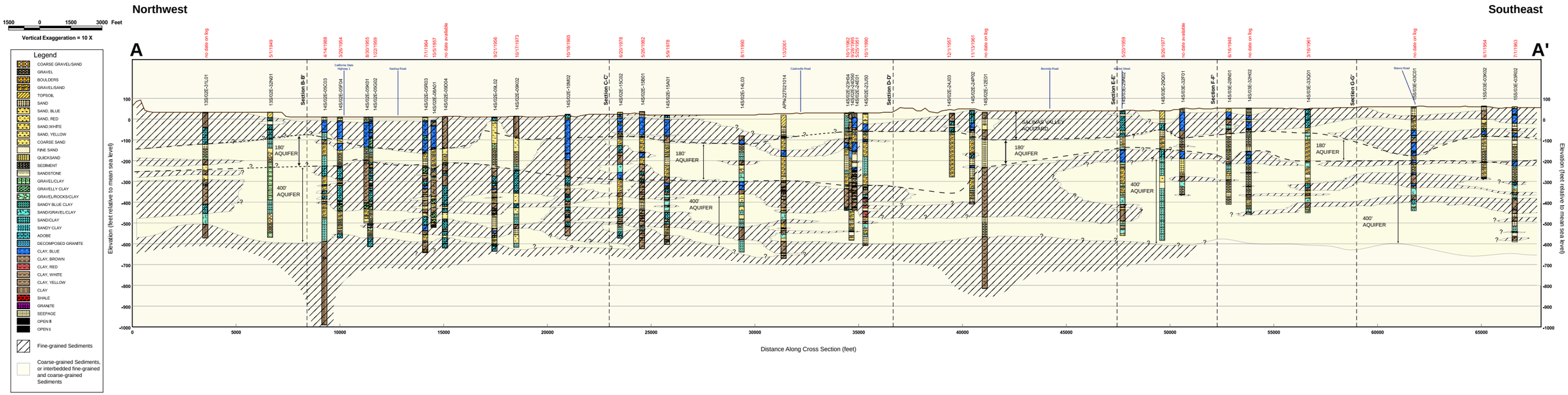
Appendix B

Cross Sections near the Project Area

Cross Section Locations near the Project Area from Kennedy/Jenks (2004)



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



Kennedy/Jenks Consultants

Monterey County Water Resources Agency
Salinas, California

Cross-Section A-A'

K/J 035901.00
May 2004

Figure 3

H:\mcwra_swi\Report_200405\figure_03.pdf

Southwest

Northeast

B

B'

1500 0 1500 3000 Feet

Vertical Exaggeration = 10 X

Legend

- COARSE GRAVEL/SAND
- GRAVEL
- BOULDERS
- GRAVEL/SAND
- TOPSOIL
- SAND
- SAND, BLUE
- SAND, RED
- SAND,WHITE
- SAND, YELLOW
- COARSE SAND
- FINE SAND
- QUICKSAND
- SEDIMENT
- SANDSTONE
- GRAVEL/CLAY
- GRAVELLY CLAY
- GRAVEL/ROCKS/CLAY
- SANDY BLUE CLAY
- SAND/GRAVEL/CLAY
- SAND/CLAY
- SANDY CLAY
- ADOBE
- DECOMPOSED GRANITE
- CLAY, BLUE
- CLAY, BROWN
- CLAY, RED
- CLAY, WHITE
- CLAY, YELLOW
- CLAY
- SHALE
- GRANITE
- SEEPAGE
- OPEN II
- OPEN I

Fine-grained Sediments

Coarse-grained Sediments, or interbedded fine-grained and coarse-grained Sediments

1/22/1996 | no date available | no date available | 7/6/1974 | 8/23/1983 | 5/6/1988 | no date available | 2/1/1982 | 9/19/1974 | 2/25/1948 | 11/12/1976 | 5/3/1948 | 4/14/1988 | 3/26/1954 | 5/1/1949 | no date available | 12/5/1984 | 10/15/1984 | Matchline | no date available | 8/11/1962 | 5/1/1957 | 5/26/1986 | 9/14/1990 | 12/6/1960

14S/01E-24L53 | 14S/01E-24L05 | 14S/01E-13J02 | 14S/02E-18E01 | 14S/02E-07L04 | 14S/02E-07L05 | 14S/02E-07F02 | 14S/02E-07A02 | 14S/02E-07A01 | 14S/02E-06R02 | 14S/02E-06L01 | 14S/02E-06J03 | Cross-Section A-A' | 14S/02E-05C03 | 14S/02E-05F04 | 13S/02E-32N01 | 13S/02E-32P01 | 13S/02E-32M02 | 13S/02E-32E05 | 13S/02E-32E03 | 13S/02E-32J03 | 13S/02E-29J01 | 13S/02E-28M02 | 13S/02E-28B01 | 13S/02E-28B01

Salinas River | Molera Road | California State Highway 1

DUNE SAND

180' AQUIFER

400' AQUIFER

DEEP AQUIFER

SALINAS VALLEY AQUITARD

Elevation (feet relative to mean sea level)

Distance Along Cross Section (feet)

0 5000 10000 15000 20000 25000 30000 35000

100 0 -100 -200 -300 -400 -500 -600 -700 -800 -900 -1000 -1100 -1200 -1300 -1400 -1500 -1600 -1700 -1800 -1900 -2000

Kennedy/Jenks Consultants

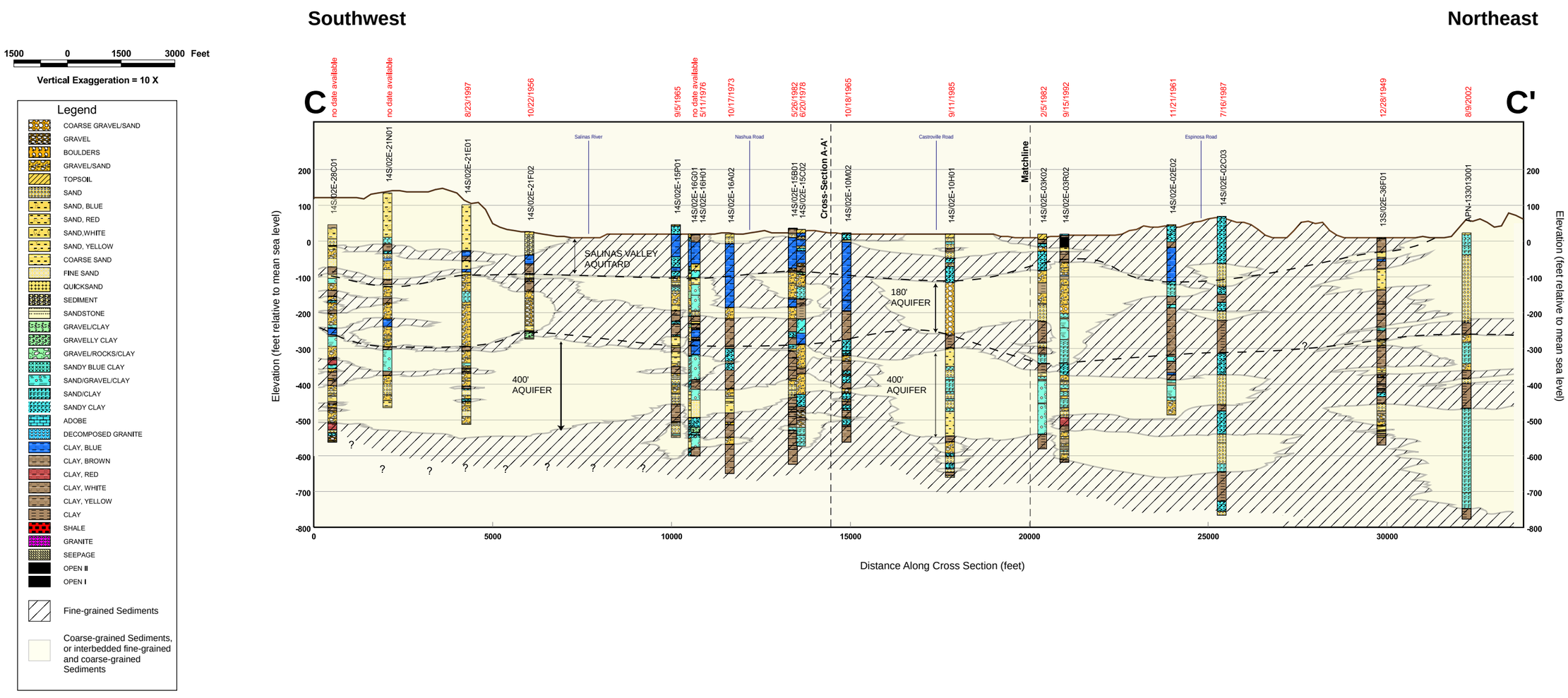
Monterey County Water Resources Agency
Salinas, California

Cross-Section B-B'

K/J 035901.00
May 2004

Figure 4

H:\mcwra_swi\Report_200405\figure_04.pdf



Kennedy/Jenks Consultants

Monterey County Water Resources Agency
Salinas, California

Cross-Section C-C'

K/J 035901.00
May 2004

Figure 5

H:\mcwra_swi\Report_200405\figure_05.pdf

1500 0 1500 3000 Feet

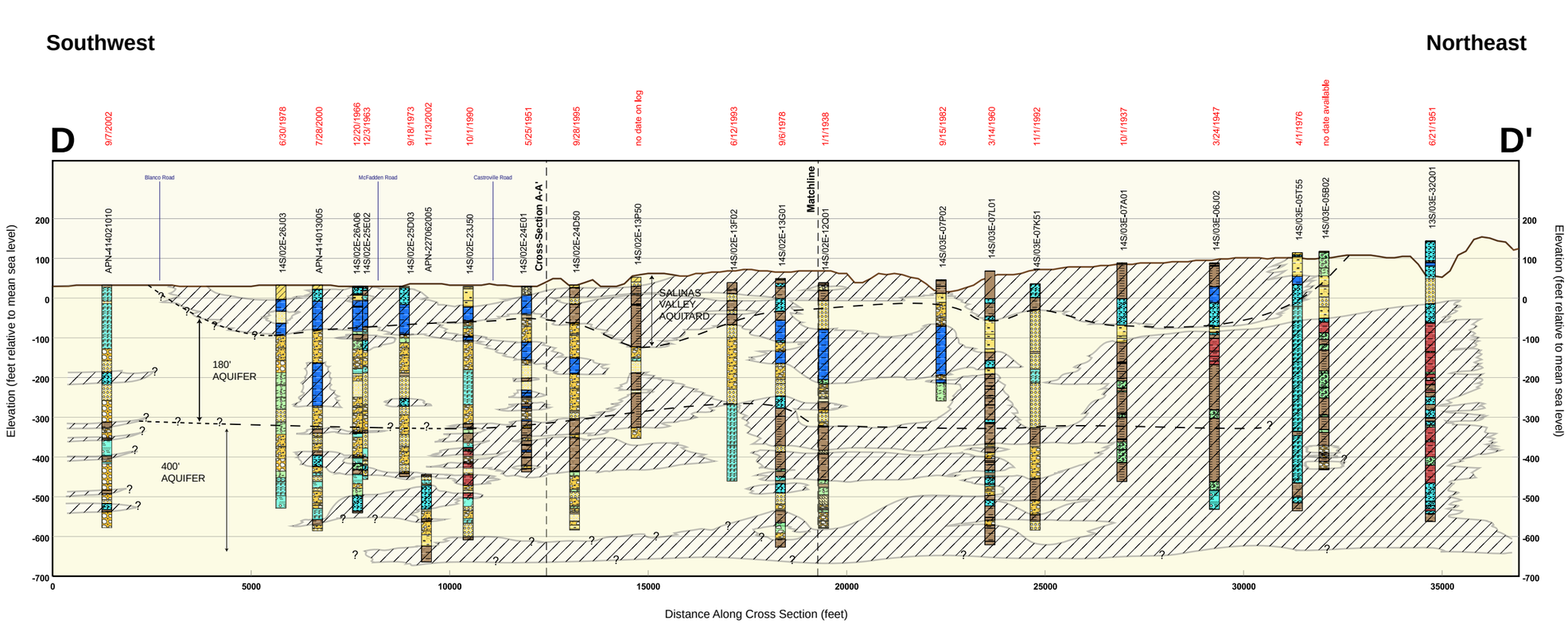
Vertical Exaggeration = 10 X

Legend

- COARSE GRAVEL/SAND
- GRAVEL
- BOULDERS
- GRAVEL/SAND
- TOPSOIL
- SAND
- SAND, BLUE
- SAND, RED
- SAND,WHITE
- SAND, YELLOW
- COARSE SAND
- FINE SAND
- QUICKSAND
- SEDIMENT
- SANDSTONE
- GRAVEL/CLAY
- GRAVELLY CLAY
- GRAVEL/ROCKS/CLAY
- SANDY BLUE CLAY
- SAND/GRAVEL/CLAY
- SAND/CLAY
- SANDY CLAY
- ADOBE
- DECOMPOSED GRANITE
- CLAY, BLUE
- CLAY, BROWN
- CLAY, RED
- CLAY, WHITE
- CLAY, YELLOW
- CLAY
- SHALE
- GRANITE
- SEEPAGE
- OPEN II
- OPEN I

Fine-grained Sediments

Coarse-grained Sediments, or interbedded fine-grained and coarse-grained Sediments



Kennedy/Jenks Consultants

Monterey County Water Resources Agency
Salinas, California

Cross-Section D-D'

K/J 035901.00
May 2004

Figure 6

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Appendix C

Well Completion Reports

FC 19

John Frassetto confirms this log

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 097754

State Well No. 14/2-9

Other Well No. 14S/2E-10E02

Date 1739

OWNER: Name [redacted]

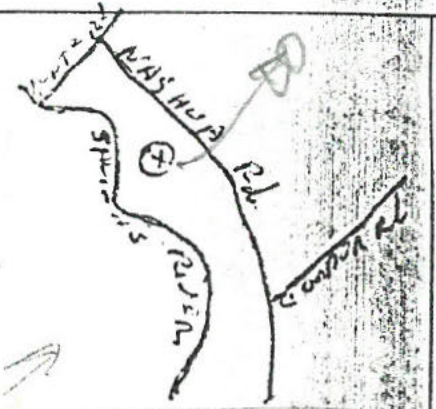
(2) LOCATION OF WELL (See instructions):

County _____ Owner's Well Number _____

Well address if different from above _____

Township _____ Range _____ Section _____

Distance from cities, roads, railroads, fences, etc. _____



Map is wrong per Roy Alsop 3/88

WELL LOCATION SKETCH

(3) TYPE OF WORK:

New Well ☐ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:

Rotary ☐ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☐ No ☐ Size _____
Diameter of bore _____
Packed from _____ to _____ ft.

(7) CASING INSTALLED:

Steel ☐ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Slot size
298	524	
560	580	
620	660	

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☐ No ☐ If yes, to depth _____ ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.
Method of sealing _____

(10) WATER LEVELS:

Depth of first water, if known _____ ft.
Standing level after well completion _____ ft.

(11) WELL TESTS:

Was well test made? Yes ☐ No ☐ If yes, by whom? _____
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test _____ ft. At end of test _____ ft.
_____ gal/min after _____ hours Water temperature _____
Chemical analysis made? Yes ☐ No ☐ If yes, by whom? _____
Electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 717 ft. Depth of completed well 717 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	7	Top soil
7	80	Clay sand sandy clay
80	142	Clay
142	178	Gravel-good high salt
178	274	Clay and sandy clay
274	295	Clay
295	316	Sand
316	320	Clay
320	372	Gravel
372	378	Clay
378	396	Gravel
396	402	Clay
402	430	Gravel
430	433	Clay
433	440	Gravel
440	466	Sand
466	476	Clay
476	491	Gravel
491	500	Clay
500	526	Gravel
526	560	Clay
560	580	Gravel
580	620	Clay-hard spot
620	660	Gravel
660	717	Clay

This is the Frassetto well per Roy Alsop 3/88

Work started Sept 12 19 78 Completed Sep 26 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED _____ (Well Driller)

NAME ROY V. ALSOP & SONS, INC (Person, firm, or corporation) (Typed or printed)

Address P.O. Box 178

City Salinas, CA Zip 93202

License No. 311459 Date of this report 5-3-79

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 43

RECEIVED MAR 11 1994 WATER RESOURCES AGENCY

QUADRUPLICATE
Use to comply with local requirements

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 361829

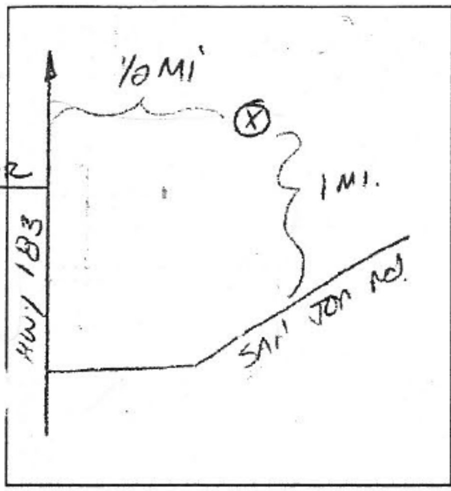
Notice of Intent No. ____
Local Permit No. or Date W 6977

State Well No. 14S/02E-14A01
Other Well No. ____

CONFIDENTIAL
NOT FOR PUBLIC USE
WATER CODE SEC 13752

(1) OWNER: Name [redacted]
Address [redacted]
City [redacted] ZIP [redacted]

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number ____
Well address if different from above ____
Township ____ Range ____ Section ____
Distance from cities, roads, railroads, fences, etc.
APN 135-132-02
Hwy 183 + Cooper Road



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☒
Irrigation ☒
Industrial ☐
Test Well ☐
Municipal ☐
Other ☒
(Describe)

(5) EQUIPMENT:
Rotary ☐ Reverse ☐
Cable ☒ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☐ No ☒ Size ____
Diameter of bore ____
Packed from ____ to ____ ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	52	24	10
0	298	20	10
0	602	16	10

(8) PERFORATIONS:
Type of perforation or size of screen ____

From ft.	To ft.	Slot size
472	506	
536	550	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 300 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ____ ft.
Method of sealing neat cement

(10) WATER LEVELS:
Depth of first water, if known ____ ft.
Standing level after well completion ____ ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Alsop
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test ____ ft. At end of test ____ ft.
Discharge ____ gal/min after ____ hours Water temperature ____
Chemical analysis made? Yes ☒ No ☐ If yes, by whom? Del Avalle
Was electric log made Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG: Total depth 602 ft. Completed depth ____ ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	6	Soil
6	72	Sandy yellow clay w/ streaks of packed sand
72	128	Brown sand
128	294	Sand + gravel (rocks 8-12")
294	304	Brown sandstone
304	324	Brown clay
324	330	Sandy yellow clay
330	336	Sand + white gravel (pea)
336	344	Brown clay
344	348	Sand + white gravel (pea)
345	390	Brown clay streaked w/ sand
390	396	Sand + white pea gravel
396	402	Brown clay w/ streaks of hard spots
402	468	Gravelly brown clay
468	472	Sand
472	506	Sand + gravel (rock to 3")
506	508	Gravel / brown clay
508	528	Sand + gravel (3/4" rock)
528	536	Brown clay
536	550	Sand + gravel (rock to 5")
550	556	Gray + rock (3/4 to 3")
556	574	Sand
574	576	Sand + gravel (3/4" rock)
576	595	Red sand
595	602	white / brown clay

AUG 1993 RECEIVED ENVIRONMENTAL HEALTH

Work started NOV 19 92 Completed June 10 19 93

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed ____ (Well Driller)
NAME Roy Alsop Pump + Drilling, Inc.
(Person, firm, or corporation) (Typed or printed)
Address 1508 Abbott
City Salinas, CA ZIP 93901
License No. 469115 Date of this report 7-11-93

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DWR 188 (REV. 12-86) 86 96355

FC 114

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 372013

State Well No. 13/2-28E[illegible]

Other Well No. 6770

Notice of Intent No. ______

Local Permit No. or Date W-5850 [redacted]

(1) OWNER: Name [redacted]

Address [redacted]

City [redacted] ZIP [redacted]

(2) LOCATION OF WELL (See instructions):

County Monterey Owner's Well Number ______

Well address if different from above APN# 133-142-03

Township 13S Range 2E Section 28SW qtr

Distance from cities, roads, railroads, fences, etc. Hwy 1 Castroville 1/4 mi N. of Hwy 183/ Hwy 1 intersection

WELL LOCATION SKETCH

(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒
Irrigation ☒
Industrial ☐
Test Well ☐
Municipal ☐
Other ☐
(Describe)

(5) EQUIPMENT:

Rotary ☐ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size Pea Gravel
Diameter of bore 42" & 28"
Packed from 240 to 550 ft.

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	140	30"	o.d. x .312 conductor			
0	540	16"	o.d. x .312	270	540	1/8x2-1/2 millslot
collared						

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 240 ft.

Were strata sealed against pollution? Yes ☐ No ☐ Interval ______ ft.

Method of sealing Neat cement

(10) WATER LEVELS:

Depth of first water, if known ______ ft.

Standing level after well completion ______ ft.

(11) WELL TESTS:

Was well test made? Yes ☐ No ☐ If yes, by whom? ______

Type of test Pump ☐ Bailer ☐ Air lift ☐

Depth to water at start of test ______ ft. At end of test ______ ft.

Discharge ______ gal/min after ______ hours Water temperature ______

Chemical analysis made? Yes ☐ No ☐ If yes, by whom? ______

Was electric log made Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG:

Total depth 900 ft. Completed depth 540 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
		First Sample = 154
154	210	Dark Brown Sand
210	240	Brown Sand with Streaks of Yellow Clay
240	250	Cemented Sand
250	275	Red Sand with Streaks of Red Clay
275	310	Brown Sand
310	320	Cemented Sand
320	340	Dark Brown Sand
340	370	Brown Sand with Streaks of Blue Clay
370	400	Brown Sand with Streaks of Cemented Sand
400	440	Streaks of Sand & Blue Clay
440	460	Broken Sandy Brown Clay with Streaks of Cemented Sand
460	500	Streaks of Broken Blue & Brown Clay & Red Sand
500	545	Streaks of Broken Blue & Brown Clay & Brown Sand
545	548	Cemented Sand (hard spot)
548	660	Broken Brown Clay with Streaks of Cemented Sand
660	770	Streaks of Brown & Yellow Clay & Sand
770	810	Streaks of Sand & Yellow Brown Clay
810	834	Sand with Streaks of Yellow Brown Clay
834	900	Streaks of Yellow Brown & Brown Clay

CONFIDENTIAL
NOT FOR PUBLIC
WATER CODE SEC 13752

Work started 8-14 1990 Completed 9-14 1990

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed [signature] (Well Driller)

NAME Eaton Drilling Co., Inc.
(Person, firm, or corporation) (Typed or printed)

Address 20 W. Kentucky, P. O. Box 975

City Woodland, CA ZIP 95695

License No. 133783C57 Date of this report 9-21-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DWR 188 (REV. 12-86) 86 96355

14/2-15

BELIEVE THIS LOG IS THE SAME AS # 99218

CQ

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

ORIGINAL
File with DWR

FC279

WATER WELL DRILLERS REPORT

14S/02E-16H01

Do Not Fill In

No. 97998

State Well No. 14S/2E-16

Other Well No.

(1) OWNER:

Name [redacted]

Address [redacted]

(2) LOCATION OF WELL:

County Monterey Owner's number, if any [redacted]

Township, Range, and Section

[redacted]

(3) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary rev. [X]
Cable [ ]
Other [ ]

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE [X] DOUBLE [ ]

From ft.	To ft.	Diam.	Gage or Wall
+1	299	16	5/16
299	605	16	¼

If gravel packed

Diameter of Bore	From ft.	To ft.
28	0	620

Size of shoe or well ring:

Size of gravel: pea

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
449	599			1/8

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 40 ft.

Were any strata sealed against pollution? Yes [X] No [ ] If yes, note depth of strata

From 2 ft. to 22 ft. sandy clay

From ft. to ft.

Method of sealing conductor & cement

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes [ ] No [ ] If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

Was electric log made of well? Yes [ ] No [ ] If yes, attach copy

(11) WELL LOG:

Total depth 620 ft. Depth of completed well 606 ft.

Formation: *Describe by color, character, size of material, and structure*

ft. to	ft.	
0	2	Top soil
2	22	Brown sandy clay
22	83	Blue sticky clay
83	102	Fine blue sand
102	122	Coarse sand & gravel
122	141	Coarse sand
141	171	Coarse sand & gravel
171	214	Coarse sand & gravel w/rock
214	217	Yellow clay
217	229	Brown sand (tight)
229	230	Sandy brown clay
230	244	Grey clay
244	250	White coarse sand
250	252	Red sand
252	262	Grey clay (hard)
262	263	White sand
263	267	Grey clay (hard)
267	289	Light blue hard clay
289	295	Grey clay
295	296	White sand
296	297	Brown clay
297	298	Hard grey clay
298	337	Blue clay
337	407	Coarse sand & gravel
407	413	Brown clay
413	434	Grey clay (hard)
434	464	Coarse sand & gravel
464	513	Fine sand
513	540	Grey sandy clay
540	555	Clay & gravel mixed
555	561	Sand & gravel
561	562	Grey clay
562	595	Sand w/gravel
595	620	Brown clay

Work started 5/5/ 1976 Completed 5/11/ 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ben Barrow Co., Inc.
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 888
Woodland, Calif. 95695

[SIGNED] [redacted]
(Well Driller)

License No. 283326 Dated 5/17/ 19 76

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

25179-950 9-68 50M THI

14S/02E-16A02 14S/2E-

STATE OF CALIFORNIA
THE RESOURCES AGENCY FC353
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

ORIGINAL
File with DWR

Do Not Fill In
No 75232 16A2
State Well No. 14/2-7K2
Other Well No. 33

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey Owner's number, if any
Township, Range, and Section Nashua Road, 2 miles west of
Distance from cities, roads, railroads, etc. Cooper Road, Moro Cojo area 5 MILES WEST OF SALINAS

(3) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [XX] Test Well [ ] Other [ ]

(5) EQUIPMENT:
Rotary [ ]
Cable [XX]
Other [ ]

(6) CASING INSTALLED:
STEEL: OTHER:
SINGLE [ ] DOUBLE [XX]

From ft.	To ft.	Diam.	Gage or Wall
0	669	12	12

Type of shoe or well ring: 7/8x8x12
Describe joint welded

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of gravel:

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen Mills

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
430	470			
518	618			

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 48 ft.
Were any strata sealed against pollution? Yes [X] No [ ] If yes, note depth of strata
From 205 ft. to 237 ft.
From ft. to ft.
Method of sealing 16"#10 gage double kai-well casing used from 0-270' stopped in impervius formation

(9) WATER LEVELS:
Depth at which water was first found, if known 8 ft.
Standing level before perforating, if known 33 ft.
Standing level after perforating and developing 34 ft.

(10) WELL TESTS:
Pump test made? Yes [ ] No [ ] If yes, by whom?
gal./min. with ft. drawdown after hrs.
Nature of water Was a chemical analysis made? Yes [ ] No [ ]
Was electric log made of well? Yes [ ] No [ ] If yes, attach copy

(11) WELL LOG:
Total depth 669 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material, and structure

ft. to	ft.	Formation
0	8	soil
8	27	sand
27	205	blue clay
205	237	sand and gravel, rocks to 4"
237	320	yellow clay
320	355	yellow sandy clay, considerable sand
355	360	sand
360	380	yellow sandy clay
380	432	yellow clay
432	444	sand and very fine gravel
444	454	sand and gravel, considerable sand rocks to 2"
454	459	red sand
459	468	red sand, lumpy
468	472	red sand, lumpy and clay
472	500	red sand
500	526	white clay
526	533	sand and fine gravel
533	568	white clay
568	588	sand and fine gravel, rocks to 1"
588	669	yellow clay

CONFIDENTIAL
Water Code Sec. 13752

Work started Sept. 20 19 73 Completed Oct. 17 19 73

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (Typed or printed)
Address P.O. Box 1147
Salinas, Calif. 93901
[SIGNED] Raymond Alsop
(Well Driller)
License No. 120768 Dated Oct. 19, 1973

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

NL

25179-950 9-68 50M TRIP △D OSP

FC 407 14/2-15

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

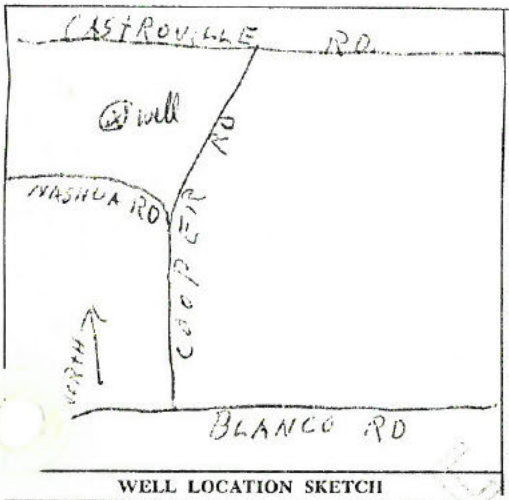
Do not fill in
No. 226414

...n of Intent No. _____
...rmit No. or Date _____

State Well No. 14/2-15B1
Other Well No. _____

(1) OWNER: Name [redacted]
Address _____
City _____

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number _____
Well address if different from above 50 Nashua Road
Township _____ Range _____ Section _____
Distance from cities, roads, railroads, fences, etc.
Moro Cojo Area-4 miles west of Salinas



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [ ]
Irrigation [xx]
Industrial [ ]
Test Well [ ]
Stock [ ]
Municipal [ ]
Other [ ]

(5) EQUIPMENT:
Rotary [ ] Reverse [ ]
Cable [X] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [ ] No [ ] Size _____
Diameter of bore _____
Packed from _____ to _____ ft.

(7) CASING INSTALLED:
Steel [X] Plastic [ ] Concrete [ ]

From ft.	To ft.	Dia. in.	Gage or Wall
0	660	14	1012 blt

(8) PERFORATIONS: Mills
Type of perforation or size of screen

From ft.	To ft.	Slot size
337	342	
363	387	
397	435	1/4 x 2
515	548	
573	588	
607	620	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 52 ft.
Were strata sealed against pollution? Yes [ ] No [ ] Interval _____ ft.
Method of sealing _____

(10) WATER LEVELS:
Depth of first water, if known 8 ft.
Standing level after well completion 37 ft.

(11) WELL TESTS:
Was well test made? Yes [ ] No [ ] If yes, by whom? _____
Type of test Pump [ ] Bailer [ ] Air lift [ ]
Depth to water at start of test _____ ft. At end of test _____ ft
...charge _____ gal/min after _____ hours Water temperature _____
...al analysis made? Yes [ ] No [ ] If yes, by whom? _____
...ectric log made? Yes [ ] No [ ] If yes, attach copy to this report

(12) WELL LOG: Total depth 660 ft. Depth of completed well 660 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	2	soil
2	16	yellow clay
16	26	sand
26	112	blue clay
112	120	cemented gravel
120	124	yellow clay
124	154	sand and fine gravel
154	194	sand and gravel, rocks to 7"
194	198	yellow clay
198	220	blue clay
220	253	sand and gravel, rocks to 7"
253	296	hard yellow clay
296	305	sandy yellow clay
305	325	yellow clay
325	337	sandy yellow clay
337	342	sand and fine gravel, rocks to l
342	344	brown sandy clay with few rock
344	363	yellow clay
363	387	yellow clay streaked with sand and fine gravel, rocks to 1"
387	397	yellow clay
397	420	yellow clay streaked with sand and fine gravel, rocks to 1"
420	425	sand and fine gravel, rocks to 2"
425	437	sand and gravel, rocks to 2"
437	453	sand
453	466	brown lumpy sand
466	473	brown sand
473	490	hard white clay
490	500	yellow clay streaked with sand and fine gravel
500	506	yellow clay with streaks of sand and fine gravel
506	514	brown and yellow clay with occasional gravel streaks
514	526	yellow clay with occasional streaks of sand and fine grave

WELL LOG CONTINUED ON NEXT PAGE

Work started _____ 19____ Completed _____ 19____

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED _____ (Well Driller)
NAME _____ (Person, firm, or corporation) (Typed or printed)
Address _____
City _____ Zip _____
License No. _____ Date of this report _____

...R 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 587

14/2-7 1450 145/2E-7A1

ORIGINAL File with DWR

CONFIDENTIAL LOG

STATE OF CALIFORNIA THE RESOURCES AGENCY

CONFIDENTIAL LOG Water Code Sec. 13752

Water Code Sec. DEPARTMENT OF WATER RESOURCES

Do Not Fill In

No 121675

WATER WELL DRILLERS REPORT 33

State Well No. 145/2E-7A1

Other Well No.

(1) OWNER:

[redacted]

Name [redacted] 633-2303

Address [redacted]

(2) LOCATION OF WELL:

County Monterey Owner's number, if any

Township, Range, and Section Hwy 1 at intersection of Monte

Distance from cities, roads, railroads, etc. Rd.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒

Cable ☐

Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:

SINGLE ☒ DOUBLE ☐

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	600	16"	1/4	28"	0	500

If gravel packed

Size of shoe or well ring:

Size of gravel: 1/4

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
390	600	16	2	Std 1/8 x 2½ slot

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 365 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From 0 ft. to 365 ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS: To be tested later

Was pump test made? Yes ☐ No ☒ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☒ No ☐ If yes, attach copy

WELL LOG:

Total depth ft. Depth of completed well ft.

Formation: Describe by color, character, size of material, and structure

0 ft. to 25	fine sand
25	50 blue clay
50	75 blue clay
75	100 fine gravel, strk blue clay
100	125 blue clay
125	150 fine gravel, strk blue clay
150	175 coarse gravel
175	200 coarse gravel
200	225 fine gravel
225	250 fine gravel
250	275 blue clay, strk sand
275	300 blue clay, strks sand
300	325 brown clay
325	375 brown clay, strks sand
375	400 coarse sand w/clay
400	425 coarse sand w/ yel. clay
425	450 coarse gravel
450	475 coarse sand, yel. clay
475	500 coarse sand, yel. clay
500	525 blue, brown clay, strks sand
525	550 blue, brown clay, strks sand
550	575 coarse gravel, strks, brown clay
575	600 coarse gravel, strks, brown clay
600	625 coarse gravel, strks, brown clay
625	635 coarse gravel, strks brown clay
635	650 coarse gravel, strks brown clay
650	666 coarse gravel, strks brown clay

Work started 9-11 19 74 Completed 9-19 19 74

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Salinas Pump Co.
(Person, firm, or corporation) (Typed or printed)

Address 1128 Madison Lane
Salinas, Ca.

[SIGNED] [redacted]
(Well Driller)

License No. 273053 Dated 9-25, 19 74

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

67139-750 8-72 30M TRIP OT 88

14S/02E-10N5
400 FT AQUIFER

ORIGINAL
File with DWR

FC 659

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 361827

State Well No. 14/2-15

Other Well No.

Notice of Intent No.

Local Permit No. or Date 6157

(1) OWNER: Name [redacted]
Address [redacted]
City [redacted] ZIP [redacted]

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.

Nashua Road

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☑ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☑
Industrial ☐
Test Well ☐
Municipal ☐
Other ☐
(Describe)

(5) EQUIPMENT:
Rotary ☐ Reverse ☐
Cable ☑ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☐ No ☑ Size
Diameter of bore
Packed from ft. to ft.

(7) CASING INSTALLED:
Steel ☑ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	300	20	10
0	580	16	10

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
558	580	
442	480	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☑ No ☐ If yes, to depth 300 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ft.
Method of sealing Neat Cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 580 ft. Completed depth ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	Top soil
3	4	Yellow clay
4	16	Sandy yellow clay
16	24	Yellow sand
24	28	Blue sand
28	90	Blue clay
90	104	Blue sand
104	180	Blue clay and blue sand
180	184	Blue clay
184	193	Gravel
193	216	Hard blue clay
216	225	Gravel + rocks to 3"
225	306	Yellow clay
306	316	Sandy yellow clay
316	360	Sand, fine gravel, clay
360	381	Sand and gravel
381	416	Yellow clay
416	442	Fine gravel, sand
442	455	Yellow clay
455	476	Fine brown sand, sandstone
476	494	Yellow-white clay
494	500	White gravel
500	516	White clay
516	526	White gravel, sand, clay
526	540	Sand, some gravel
540	554	White gravel and sand
554	558	Clay and gravel
558	580	Yellow clay

Work started 1-29 19 91 Completed 3-12 19 91

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed (Well Driller)

NAME Roy Alsop Pump & Drilling Co., Inc.
(Person, firm, or corporation) (Typed or printed)

Address 1508 Abbott Street
City Salinas, CA ZIP 93901
License No. 569945 Date of this report 7-30-91

DWR 188 (REV. 12-86) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 86 96355

FC 694

13/2-26

14S/02E-10F50

10F50

ORIGINAL with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In 10F50

Nº 81017

State Well No. 14/2-10F

Other Well No. area 21

(1) OWNER:

Name [redacted]

(2) LOCATION OF WELL:

County Monterey South Number, if any

Township, Range, and Section 2 miles east of Castroville

Distance from cities, roads, railroads, etc. along Castroville Road on Bunn and Yuki farm

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐ Cable ☒x Other ☐

(6) CASING INSTALLED:

STEEL: OTHER: SINGLE ☐ DOUBLE ☒

From ft.	To ft.	Diam.	Gage or Wall
0	600	16	10

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring: 1/10/16 Size of gravel:

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Mills

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
372	427			
490	570			

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 52 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft. 10

Standing level before perforating, if known ft. 30

Standing level after perforating and developing ft. 27

(10) WELL TESTS:

Pump test made? Yes ☐ No ☐ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:

Total depth 600 ft. Depth of completed well ft.

Formation: *Describe by color, character, size of material, and structure*

ft. to ft.

0- 3 soil
3- 22 sandy yellow clay
22-162 blue clay
162-190 blue clay with rocks embedded
190-204 yellow clay with gravel streaks
204-258 sand and gravel, rocks to 6"
258-268 yellow clay
268-280 yellow sandy clay
280-304 hard yellow clay
304-326 soft yellow clay
326-336 hard yellow clay
336-348 yellow clay streaked with sand and fine gravel
348-372 hard yellow clay
372-380 soft yellow clay streaked with sand and fine gravel
380-388 sand and gravel, rocks to 1"
388-396 yellow clay streaked with sand and fine gravel
396-405 hard yellow clay
405-418 yellow clay streaked with sand and fine gravel
418-427 sand and fine gravel
427-444 sand
444-461 sand and clay
461-490 yellow clay
490-540 yellow clay with traces of sand and fine gravel
540-563 sand and fine gravel, rocks to 1"
563-600 yellow clay

Work started Dec. 6 1975. Completed Jan. 5 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 1147
Salinas, Ca. 93901

[SIGNED] Raymond Alsop
(Well Driller)

License No. 120768 Dated Jan. 5, 1976

SKETCH LOCATION OF WELL ON REVERSE SIDE

13S/2E-32N1
1-B-13A

FC 718

June 1, 1949

[redacted]

From	To	
0	26	Surface Soil and sand and clay
26	42	Blue and yellow clay, some sand
42	60	Fine blue grey sand
60	83	Blue grey sand, streaks of yellow and blue clay
83	106	Blue grey sand, some clay
106	128	Blue grey sand, some clay
128	151	Blue grey sand, some clay, streaks of blue clay
151	173	Grey sand coarser streaks blue clay
173	196	Coarse yellow sand
196	218	Coarse gravel rocks and sand
218	241	Coarse gravel cobble stones
241	263	Sandy white clay streaks of coarse gravel
263	286	Sandy white clay, streaks of coarse gravel
286	308	Light yellow clay, streaks of coarse gravel
308	331	Light yellow clay, streaks of coarse gravel
331	354	White sandy clay streaks of coarse gravel
254	376	White sandy clay streaks of coarse gravel
376	399	White sandy clay streaks of coarse gravel
399	421	White sandy clay streaks of coarse gravel
421	444	Sandy white clay and sand
444	467	Sandy white clay and sand
467	489	Sand streaks of white clay
489	512	Coarse sand and coarse gravel
512	534	Coarse sand, coarse gravel
534	557	Coarse gravel
557	579	Coarse gravel
579	602	Coarse gravel streaks of yellow clay

CASING DETAIL

351 25 feet of 16" x 5" blank casing
Cemented outside of casing with 300 sacks of cement
250 feet of 10" x 3/16" perforated casing with cone on bottom joint perforated are 1/8" x 3" clean cut slots.
Top 18' of 10" casing is blank

WALKER DRILLING COMPANY

FC780

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code) 5576
THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
No 100907

State Well No.
Other Well No. 14S/2E-10M2

(1) OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any—
R. F. D. or Street No. Speegle Ranch, Nashua Road, Moro Cojo area, near buildings.

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☒

				Gage of Wall
From 0 ft. to 588	ft.	16	Diam. 10	
" "	"	"	" "	
" "	"	"	" "	
" "	"	"	" "	
" "	"	"	" "	

Type and size of shoe or well ring 7/8x12x16
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Mills
Size of perforations in., length, by in.

From 338	ft. to	365	ft.	Perf. per row	Rows per ft.
" 429	"	453	"	" " "	" " "
" 481	"	545	"	" " "	" " "
" "	"	"	"	" " "	" " "
" "	"	"	"	" " "	" " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata
From ft. to ft.
" " "
Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.
Standing level before perforating 48 ft.
Standing level after perforating 42 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 585 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material, and structure.

0	ft. to	3	ft.	soil
3	"	20	"	sandy yellow clay
20	"	26	"	blue sand
26	"	188	"	blue clay
188	"	189	"	gravel
189	"	218	"	blue clay
218	"	219	"	gravel
219	"	299	"	yellow clay
299	"	330	"	sandy yellow clay
330	"	337	"	sandy clay, clay, sand streake
	"		"	with small amout fine gravel
337	"	342	"	sand and clay
342	"	359	"	sand and gravel, rocks to 1"
359	"	385	"	yellow clay
385	"	395	"	sandy yellow clay
395	"	400	"	yellow clay
400	"	419	"	dirty sandy clay and sand with
	"		"	few rocks
419	"	435	"	yellow clay streaked with sand
	"		"	and gravel
435	"	443	"	sand and gravel streaked with
	"		"	yellow clay
443	"	448	"	hard sand, clay and few small
	"		"	rocks
448	"	465	"	sandy brown clay
465	"	471	"	brown sand
471	"	481	"	hard clay
481	"	490	"	sandy white clay with few rock
490	"	496	"	soft sandy clay
496	"	515	"	yellow clay
515	"	520	"	white sand & gravel, rocks to
	"		"	1 inch
520	"	537	"	sandy yellow clay
537	"	541	"	brown clay
541	"	542	"	sand and gravel
542	"	585	"	yellow clay

Work started Sept. 14 19 65 Completed Oct. 18 1965

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (Typed or printed)
Address P. O. Box 1147
Salinas, Calif.

[SIGNED] [redacted]
Well Driller

License No. 120768 Dated Oct. 22, 1965

FC 824

145/2E-18A

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill i

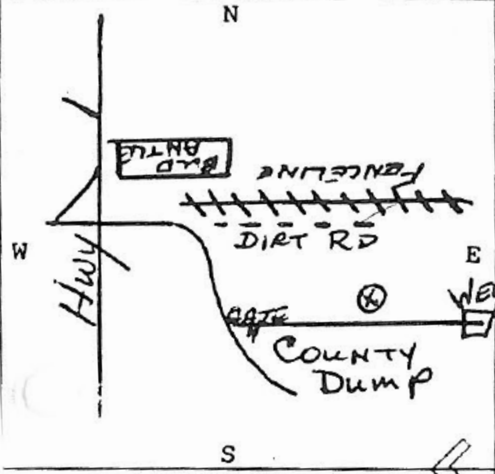
No. 198106

...of Intent No. ______
L... ermit No. or Date W-3468

State Well No. 14/03
Other Well No. 8414-0112

(1) OWNER: Name [redacted]
Address [redacted]
City [redacted] Zip [redacted]

(2) LOCATION OF WELL (See instructions):
County Monterey, Owner's Well Number 229-01-09
Well address if different from above Hwy 1 By County Dump
Township ______ Range ______ Section ______
Distance from cities, roads, railroads, fences, etc. See Map Below



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size #8 Sand
Diameter of bore 26"
Packed from 350 to 590 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen Screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	25	30	18			
0	590	16	1/4	380	480	40
				490	570	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 25 ft.
Were strata sealed against pollution? Yes ☒ No ☐ Interval 0-350 ft.
Method of sealing Pressure Grouted Seal

(10) WATER LEVELS:
Depth of first water, if known ______ ft.
Standing level after well completion ______ ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Maggiora Bros
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test See Attached Reports ft. At end of test ______ ft
______ gal/min after ______ hours Water temperature ______
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? ______
Was electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 620 ft. Depth of completed well 590 ft

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	Hard Sand
3	10	Sandy Clay
10	25	Light Brown Sand
25	60	Sand
60	80	Sand & Clay
80	100	Brown & Blue Clay & Sand
100	105	Blue Clay
105	115	Brown, Blue & Yellow Clay
115	120	Gravel
120	140	Sand
140	160	Sand & Gravel
160	180	Sand & Clay
180	220	Sand & Gravel
220	260	Sand & Cobblestones
260	300	Sand
300	378	Brown Sandy Clay
378	380	Sand
380	390	Gravel & Sand
390	420	Clay
420	470	Gravel & Sandy Clay
470	480	Sand & Gravel
480	500	Sand
500	520	Clay & Sand
520	540	Sand
540	560	Sand & Sandstone
560	620	Sand & Clay

Work started 8-31 1984 Completed 9-7 1984

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED ______ (Well Driller)

NAME Maggiora Bros. Drilling, Inc.
(Person, firm, or corporation) (Typed or printed)
Address 595 Airport Boulevard
City Watsonville, CA Zip 95076
License No. 249957 Date of this report Feb. 5, 1985

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 859 Changed to 14S/02E-15N01

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do Not Fill In ~~15N/1~~

33 No. 75203 ~~15N~~

State Well No. 14S/2E-22

Other Well No. 14S/02E-15N01

ORIGINAL
Filed with DWR

(1) OWNER:

Name [redacted] WELL #2

Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any

Township, Range, and Section Moro Cojo District, 6 miles

Distance from cities, roads, railroads, etc. west of Salinas, Nashua Rd. on Thomas Bunn Farm at intersection of

(3) TYPE OF WORK (check): drainage canals

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Other ☐

(6) CASING INSTALLED:

STEEL OTHER:
SINGLE ☐ DOUBLE ☒

From ft.	To ft.	Diam.	Gage or Wall
0	552	14	10

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring: 7/8 x 8 x 14 Size of gravel:

Describe joint: welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen: mills

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
309	319	6	1X	3/8 x 3
336	352			
398	408			
440	464			

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 60 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known 9 ft.

Standing level before perforating, if known 43 ft.

Standing level after perforating and developing 50 ft.

(10) WELL TESTS:

Was test made? Yes ☐ No ☐ If yes, by whom?

gal. min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:

Total depth 550 ft. Depth of completed well ft.

Formation. Describe by color, character, size of material, and structure

ft. to	ft.	
0	10	soil
10	28	brown clay
28	82	blue clay
82	105	blue sand
105	124	blue clay
124	136	sand
136	168	sand and gravel
168	196	sand and gravel, rocks to 4"
196	204	yellow clay
204	214	yellow clay with sand and gravel
214	224	sand and gravel, rocks to 3"
224	227	sand and gravel, mostly sand
227	232	sand and gravel
232	246	hard brown sand
246	266	yellow clay
266	274	sandy yellow clay
274	309	yellow clay
309	319	sand and gravel
319	334	sand
334	352	yellow clay streaked with sand and grave
352	356	sand
356	373	hard yellow clay
373	396	yellow clay
396	400	clay streaked with sand and gravel
400	408	sand and gravel
408	416	sand
416	432	yellow clay
432	440	blue clay
440	464	yellow clay, sand and gravel
464	472	sand
472	476	sand and gravel
476	484	sand
484	512	brown sand
512	550	yellow clay

Work started Sept. 3, 19 71 Completed Sept. 21, 71

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (Typed or printed)

Address P.O.BOX 1147
Salinas, Calif. 93901

[SIGNED] Raymond Alsop
(Well Driller)

License No. 120768 Dated Sept. 24, 19 71

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV 9-68)

DUPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

FC 861
Do Not Fill In
№ 100905
33 State Well No. 14S/2E-15P1
Other Well No.

CONFIDENTIAL Section 7076 ... Water Code

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey   Owner's number, if any—
R. F. D. or Street No. 20 Nashua Rd. SALINAS VALLEY VEG. EXCHANGE ranch, approx. 200' east of well #25.
14S/2E-15P

(3) TYPE OF WORK (check):
New well [X]   Deepening [ ]   Reconditioning [ ]   Abandon [ ]
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:
Rotary [ ]
Cable [X]
Dug Well [ ]

(6) CASING INSTALLED:
SINGLE [ ] DOUBLE [X]
From 0 ft. to 598 ft. 16 Diam. 10 Gage or Wall

If gravel packed
Diameter of Bore   from ft.   to ft.

Type and size of shoe or well ring 7/8x12x16"
Size of gravel:
Describe joint

(7) PERFORATIONS:
Type of perforator used Mills
Size of perforations   in., length, by   in.

From	to	Perf. per row	Rows per ft.
416 ft.	423 ft.		
451	490		
550	555		

(8) CONSTRUCTION:
Was a surface sanitary seal provided? [ ] Yes [ ] No To what depth   ft.
Were any strata sealed against pollution? [ ] Yes [ ] No If yes, note depth of strata
From   ft. to   ft.
Method of Sealing

(9) WATER LEVELS:
Depth at which water was first found   ft.
Standing level before perforating   ft.
Standing level after perforating 48 ft.

(10) WELL TESTS:
Was a pump test made? [ ] Yes [ ] No If yes, by whom?
Yield: gal./min. with   ft. draw down after   hrs.
Temperature of water   Was a chemical analysis made? [ ] Yes [ ] No
Was electric log made of well? [ ] Yes [ ] No

(11) WELL LOG:
Total depth 595 ft. Depth of completed well   ft.
Formation: Describe by color, character, size of material, and structure.

From ft.	To ft.	Formation
0	3½	soil
3½	27	sandy brown clay
27	90	blue clay
90	119	sandy blue clay
119	130	blue clay
130	145	sandy blue clay
145	157	sand and gravel
157	161	sand and fine gravel
161	169	sand
169	171	sand and gravel
171	174	blue clay
174	185	sandy clay
185	193	sand
193	225	sand & gravel, rocks to 5"
225	241	red sand, lumpy
241	253	hard yellow clay
253	270	yellow clay
270	278	yellow sandy clay
278	308	yellow clay streaked with san & gravel, considerable sand
308	312	sand, gravel, clay
312	344	yellow sand and clay
344	355	yellow clay
355	370	yellow sand and clay
370	388	yellow sand
388	396	sand & gravel, considerable sa
396	416	hard yellow clay
416	423	fine sand & gravel, rocks to 1
423	427	fine sand with few rocks to 1
427	432	fine sand
432	444	sand streaked with clay
444	448	sandy clay streaked with grav
448	454	sand & gravel, rocks to 1"
454	460	sand & gravel, rocks to 2"
460	471	sand & gravel, rocks to 1"
471	474	hard brown sand, clay & fine gravel
474	486	hard brown sand streaked with fine gravel
486	495	hard brown sand with few smal rocks
495	503	brown sand with few small rocks
503	539	yellow clay
539	550	gray clay (continued)

Work started July 1 1965. Completed Aug. 3 1965

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (Typed or printed)
Address P. O. Box 1147
Salinas, Calif.

[SIGNED] Raymond Alsop
Well Driller
License No. 120768   Dated Aug. 5, 1965

87649 5-63 25M QUIN SPO   DWR 188 (REV. 3-54)

TRIPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
Nº 38055
State Well No. 14S/2E-5K2
Other Well No. 1-C-77

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey   Owner's number, if any—
R. F. D. or Street No.
1 G 150 Yds. S. of # 51 D Nashua Rd.
Geo. Boutonnet Lease

(3) TYPE OF WORK (*check*):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☐ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	40	18	12
0	362	16	10
0	600	12	12

If gravel packed

Diameter of Bore	from ft.	to ft.

Type and size of shoe or well ring
Size of gravel:
Describe joint

(7) PERFORATIONS:
Type of perforator used Mills
Size of perforations 3½ in., length, by ¼ in.

From ft.	to ft.	Perf. per row	Rows per ft.
417	423	6	1
485	492	6	1
497	505	6	1
558	587	6	1

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata
From ft. to ft.
Method of Sealing

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

FC 934

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No
Yield: gal./min. with hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:
Total depth 600 ft. Depth of completed well 600 ft.
Formation: *Describe by color, character, size of material, and structure.*

ft.	to ft.	
0	3	Black adobe
3	7	Sandy sediment
7	8	Black adobe
8	22	Yellow sandy clay
22	28	Blue sandy clay
28	87	Blue clay
87	101	Sandy blue clay
101	106	Soft blue clay
106	120	Gravely blue clay
120	127	Sandy blue clay
127	142	Soft blue clay
142	146	Gravely blue clay
146	167	Soft blue clay
167	182	Blue cement sand & gravel
182	207	White sand & gravel
207	211	Yellow sand & gravel
211	219	Soft red sandstone
219	230	Yellow clay
230	236	Fine sand & gravel, some clay
236	257	Hard yellow clay
257	264	Sandy yellow clay
264	277	Gravely yellow clay
277	291	Hard yellow clay
291	299	Sandy yellow clay
299	313	Yellow clay
313	318	Gravely yellow clay
318	320	Soft yellow clay
320	324	Yellow clay
324	330	Sandy yellow clay
330	340	Fine red sand, some gravel
340	351	White sand & fine gravel
351	356	Fine red sand & sandstone
356	359	Red sandstone
359	371	Hard yellow clay
371	378	Gravely yellow clay
378	384	Sandy yellow clay
384	392	Sand & gravely clay
392	411	Hard yellow clay
411	415	Sandy yellow clay
415	417	Gravely yellow clay
417	423	Sand & gravel
423	428	Yellow clay

Continued
Work started 19 , Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy [illegible] & Son
(Person, firm, or corporation) (*Typed or printed*)
Address 1508 Abbott Street
Salinas, California
[SIGNED] [signature]
Well Driller
License No. 132820 Dated February 18, 196

95689 3-54 50M QUIN SPO DWR FORM NO. 246 (REV.)

CONFIDENTIAL Section 7076 Water Code

FC 989

ORIGINAL
File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)
THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
No 101466
State Well No. 17S/2E-26J50
Other Well No.

OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey Owner's number, if any—
R. F. D. or Street No. Armstrong Road

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☐ DOUBLE ☒

From	to	Diam.	Gage or Wall
0 ft.	516 ft.	14	10

Type and size of shoe or well ring 14x10x7/8
Describe joint collars

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:
Type of perforator used Tool
Size of perforations in., length, by in.

From	to	Perf. per row	Rows per ft.
390 ft.	500 ft.		

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 78 ft.
Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From	ft. to	ft.

Method of Sealing 78' – 18" Double Controller

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
ing level after perforating 21 ft.

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:
Total depth 516 ft. Depth of completed well 516 ft.
Formation: *Describe by color, character, size of material, and structure.*

	ft. to		ft.	
0	"	3	"	Top soil
3	"	42	"	Grey silt
42	"	65	"	Blue silt
65	"	108	"	Blue clay
108	"	200	"	Rock and gravel, water
200	"	202	"	Yellow clay
202	"	232	"	Blue clay
232	"	240	"	Yellow sandy clay, blue shale
	"		"	and granite gravel
240	"	285	"	Yellow sand, gravel, clay, wate
285	"	298	"	Rock and gravel, water
298	"	308	"	Yellow clay
308	"	370	"	Rock and gravel, water
370	"	390	"	Yellow clay
390	"	460	"	Rock gravel and clay layers
460	"	516	"	Rock and gravel, water

Work started Feb. 17 1965, Completed April 20 1965

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME C. F. Dougherty
(Person, firm, or corporation) (Typed or printed)
Address 2108 San Miguel Canyon Rd.
Salinas, Calif.
[SIGNED] C. F. Dougherty
Well Driller
License No. 142509 Dated Dec. 17, 1953

97

87649 5-63 25M QUIN ① △ SPO

DWR 188 (REV. 3-54)

FC 1019 P-400

ORIGINAL
File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. S.F.Bay
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
№ 114721
State Well No. 13/2E-33N50 04
Other Well No. 14/2-4
12

(1) OWNER: Freeway RCH (EAST)

Name [redacted]

(2) LOCATION OF WELL:
County Monterey Owner's number, if any—
R. F. D. or Street No. 1/2 mile S. of intersection of Hyway 156 & Watsonville Hyway and 300' East of Highway #1 (156) 300 YDS?

(3) TYPE OF WORK (check):
New well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:
Rotary [X]
Cable [ ]
Dug Well [ ]

(6) CASING INSTALLED:
SINGLE XX DOUBLE [ ]

From ft.	to ft.	Diam.	Gage or Wall
0	192	12 1/4"	
192	194	12X10 1/4"	
194	602	10 1/4	

If gravel packed

Diameter of Bore	from ft.	to ft.
28	0	84
24	84	602

Type and size of shoe or well ring
Size of gravel 1/8x 1/4"
Describe joint Collars welded

(7) PERFORATIONS:
Type of perforator used Factory punched
Size of perforations 1-1/2 in., length, by 5/32 in.

From ft.	to ft.	Perf. per row	Rows per ft.
338	602		

(8) CONSTRUCTION:
Was a surface sanitary seal provided? XX Yes [ ] No To what depth 325 ft.
Were any strata sealed against pollution? [X] Yes [ ] No If yes, note depth of strata
From 0 ft. to 325 ft.
Method of Sealing Cement between bore & casing

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:
Was a pump test made? [ ] Yes [ ] No If yes, by whom? By others
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? [ ] Yes [X] No
Was electric log made of well? [ ] Yes XX No

(11) WELL LOG: area 33
Total depth 611 ft. Depth of completed well 602 ft.
Formation: *Describe by color, character, size of material, and structure.*

ft.	to ft.	Formation
0	3	Surface soil
3	60	Blue sandy clay, blue clay
60	93	Blue sandy clay, sand, gravel
93	116	Sand, gravel
116	206	Sand, gravel, boulders
206	228	Sand, gravel, yellow sandy clay (hard.
228	251	Yellow sandy clay, same
251	273	Yellow & red sandy clay
273	296	Yellow & red, hard sandy clay
296	318	Yellow & blue clay, hard streaks (clay
318	341	Light blue & yellow sandy
341	363	White sandy clay, sand streaks
363	543	Sand, gravel, streaks of white sandy clay
543	566	Soft yellow clay, streaks of sand & gravel
566	588	Hard yellow clay, streaks of sand & gravel
588	611	Hard yellow clay.

CONFIDENTAL LOG
Water Code Sec. 7080

Work started 2 15 1967. Completed 3 10 1967

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Pump & Drilling Co.,
(Person, firm, or corporation) *(Typed or printed)*
Address 1128 Madison Lane
Salinas, California 93901
[SIGNED] [signature]
Well Driller
License No. 206267 Dated 3 11, 1967

DWR 188 (REV. 3-64)

14S/2E-12B1
2-C-174

FC 1046

PRESSURE-400 Ft.

November 24, 1947

[redacted]

LOG OF NEW WELL - H. N. Hansen Ranch
672' 14" - #12 DC - 410 Espinosa Rd.

0	- 10	Adobe
10	- 35	Yellow Clay
35	- 50	Sandy Clay
50	- 70	Yellow Clay
70	- 87	Blue Clay
87	- 100	Fine Mucky Sand
100	- 130	Blue Clay
130	- 150	Fine Gray Sand
150	- 253	Brown Sand
253	- 315	Yellow Clay
315	- 319	Coarse Sand & Pea Gravel
319	- 500	Yellow Clay
500	- 510	Coarse Sand
510	- 516	Coarse Sand & 1/2" Gravel
516	- 527	Sand & 1" -2" gravel
527	- 558	Sandy Clay
558	- 580	Clay, Sand & Some Gravel
580	- 672	Yellow Clay

PERFORATIONS

Nunes

315 - 325
215 - 589 580

cable

8 Cuts every 12"

ORIGINAL

file with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

(33)

Do not fill in

No. 072956

State Well No. ~~3/12E-33~~

Other Well No. 14S/2E-7J2

Intent No.

Permit No. or Date W-2036

1) OWNER: Name [redacted]

Address

City Zip

2) LOCATION OF WELL (See instructions): 7T-567

County Monterey Owner's Well Number Pedrill #3450

Well address if different from above Assessors Parcel #

Township Range Section 229-011-05

Distance from cities, roads, railroads, fences, etc. Monte Rd.-Del Monte Rd. 1/4 mi E 3/4 mi N

(3) TYPE OF WORK:

New Well [X] Deepening [ ]

Reconstruction [ ]

Reconditioning [ ]

Horizontal Well [ ]

Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic [ ]

Irrigation [ ]

Industrial [X]

Test Well [ ]

Stock [ ]

Municipal [ ]

Other [ ]

WELL LOG: Total depth 600 ft. Depth of completed well ft.

From ft.	to ft.	Formation (Describe by color, character, size or material)
0	2	top soil
2	31	gravel
31	120	clay
120	132	large rough gravel
132	248	clay
248	266	sand and gravel
266	318	sand with clay streaks
318	341	sand and gravel
341	352	clay
352	381	gravel
381	383	clay
383	412	gravel
412	440	clay and sandy clay
440	470	sand and gravel
470	546	clay with sandy streaks-hard spots
546	562	gravel
562	566	clay
566	600	sand and gravel

Facility Code 1109

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary [ ] Reverse [X]

Cable [ ] Air [ ]

Other [ ] Bucket [ ]

(6) GRAVEL PACK:

Yes [X] No [ ] Size pea gra.

Diameter of bore 26

Packed from 380 to 564 ft.

(7) CASING INSTALLED:

Steel [X] Plastic [ ] Concrete [ ]

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	564	16"	IDx1/4 plate	396	564	1/8x3 Std. saw

(9) WELL SEAL:

Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 380 ft.

Were strata sealed against pollution? Yes [ ] No [ ] Interval ft.

Method of sealing cement

(10) WATER LEVELS:

Depth of first water, if known ft.

Standing level after well completion ft.

(11) WELL TESTS:

Was well test made? Yes [ ] No [ ] If yes, by whom?

Type of test Pump [ ] Bailer [ ] Air lift [ ]

Depth to water at start of test ft. At end of test ft

gal/min after hours Water temperature

Was a chemical analysis made? Yes [ ] No [ ] If yes, by whom?

Was electric log made? Yes [X] No [ ] If yes, attach copy to this report

Work started 19 Completed 9-30 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)

NAME Eaton Drilling Co. Inc. (For Nisbet & Son)

(Person, firm, or corporation) (Typed or printed)

Address 20 Kentucky (P. O. Box 975)

City Woodland, California Zip 95695

License No. 133783C57 Date of this Report 11-14-1979

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

13S/2E-31A#2

Do not fill in

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

No. 064000

of Intent No.
Permit No. or Date 3628

State Well No. ~~13/2E-31~~
Other Well No. 13S/2E-31A2

1) OWNER: [redacted]
Address
City Zip

2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number
Well address if different from above Vessey Ranch
Township Castroville Range Section
Distance from cities, roads, railroads, fences, etc.

Monterey Rd
Highway 1
WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [ ]
Irrigation [X]
Industrial [ ]
Test Well [ ]
Stock [ ]
Municipal [ ]
Other [ ]

5) EQUIPMENT:
Rotary [X] Reverse [ ]
Cable [ ] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [X] No [ ] Size 6X12, 8X16
Diameter of bore 26
Packed from 850 ft. to 1600 ft.

7) CASING INSTALLED:
Steel [X] Plastic [ ] Concrete [ ]

From ft.	To ft.	Dia. in.	Gage or Wall
0	400	16	3/8
400	1600	12	5/16

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
850	1600	332

9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 850 ft.
Were strata sealed against pollution? Yes [X] No [ ] Interval 0-850 ft.
Method of sealing Concrete

10) WATER LEVELS:
Depth of first water, if known 4' ft.
Standing level after well completion 26' ft.

11) WELL TESTS:
Was well test made? Yes [X] No [ ] If yes, by whom? Salinas Pump
Type of test Pump [X] Bailer [ ] Air lift [ ]
Depth to water at start of test 26' ft. At end of test 26' ft.
Yield 3000 gal/min after 48 hours Water temperature warm
Chemical analysis made? Yes [ ] No [ ] If yes, by whom?
Was electric log made? Yes [X] No [ ] If yes, attach copy to this report

12) WELL LOG: Total depth 1635 ft. Depth of completed well 1600 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	Black top soil
3	8	Sandy yellow clay
8	40	brown clay
40	79	soft blue caly
79	95	fine sand
95	121	soft blue clay & sand
121	142	fine sand
142	190	coarse sand & pea gravel
190	235	yellow clay & sand
235	338	red sand
338	343	yellow clay
343	408	med coarse sand
408	430	coarse sand
430	490	gravel, coarse sand
490	578	gravel & coarse sand, sktYel cly
578	584	yellow clay
584	645	coarse sand colored
645	656	coarse sand & red clay
656	705	coarse sand, yellow & gravel
705	790	sandy yellow & blue clay
790	894	yellow clay skts blue clay
894	950	yellow clay&some blue & wht clay, skts sand
950	982	blue & yellow clay
982	1030	blue clay & yellow &brn
1030	1092	Blue clay & fine blk sand
1092	1114	coarse sand & fine aand
1114	1180	blk fine sand & blue clay
1180	1270	blue clay & fine sand, sm gravel
1270	1312	blue clay & blk sand
1312	1334	blk sand & blue clay, sm gravel
1334	1422	blue clay & blk sand
1422	1450	red coarse sand
1450	1532	blk sand & blue clay
1532	1635	blue & wht clay & blk sand

Work started 5/21/85 19 Completed 9/30/85 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
SIGNED [signature] (Well Driller)
NAME Salinas Pump Co. (Person, firm, or corporation) (Typed or printed)
Address 324 Kings St.
City Salinas, Ca. Zip 93905
License No. 273053 Date of this report 9/25/85

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 1162

14S/2E-5C3

ORIGINAL

File with DWR

Notice of Intent No.

Permit No. or Date

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

400 'AQ

Do not fill in

No. 176945

State Well No. 14/2-32

Other Well No. 14S/2E-5C3

(1) OWNER:

Name [redacted]

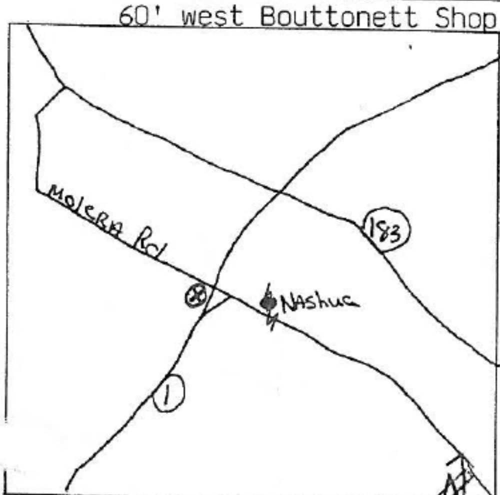
(2) LOCATION OF WELL (See instructions):

County Monterey Owner's Well Number 5401

Well address if different from above Castroville

Township 14S Range 2E Section 32 5C

Distance from cities, roads, railroads, fences, etc.
S.W. Corner of Hwy 1/Molera Rd.
150' south Molera Rd
60' west Bouttonett Shop Driveway



WELL LOCATION SKETCH

(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:

Rotary ☒ mud Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size Birdseye
Diameter of bore 28"
Packed from 74 to 580 ft.

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	74	30	.250	-conductor casing		
74	300	16	.250	310	575	.100
565	575	16	.250			

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 74 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ft.
Method of sealing Cement

(10) WATER LEVELS:

Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:

Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG:

Total depth 1000 ft. Depth of completed well 580 ft.

from ft. to ft. Formation (Describe by color, character, size or material)

0- 3- top soil
3- 16- sand-brown
16- 74- clay-blue
74- 95- clay w/streaks of sand
95-110- sand some clay
110-130- clay-yellow
130-185- gravel-large, white sand
185-285- clay-brown, white sand streaks
285-326- gravel/sand
326-332- clay-sandy
332-356- gravel/sand
356-368- clay-sandy
368-380- sand/gravel
380-396- clay-sandy
396-406- sand
406-419- clay
419-437- sand some gravel
437-439- clay
439-484- sand/gravel w/ some streaks
483-487- clay
487-519- clay w/sand streaks
519-598- clay some sand streaks
598-675- clay
675-681- sand
681-1000 clay some small sand lenses

Work started 3/14 1988 Completed 4/14 1988

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED F M Eaton (Well Driller)

NAME Eaton Drilling Company
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 975

City Woodland, California Zip 95695

License No. 133783 Date of this report 4/25/88

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 1163

14S/02E-12N51

Chinn RCH #4

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

ORIGINAL
File with DWR

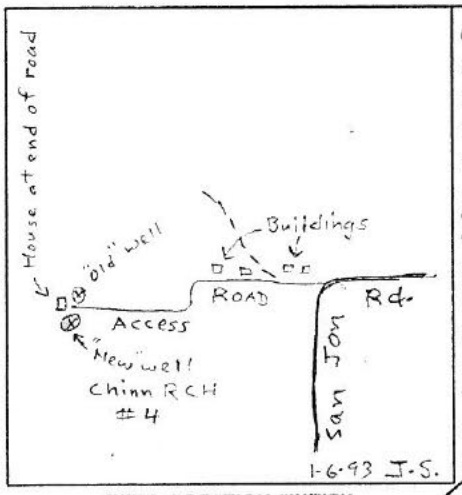
Do not fill in
No. 287235

State Well No. 14S/02E-12N51

Notice of Intent No. _____
Local Permit No. or Date _____
Other Well No. _____

(1) OWNER: Name [redacted]
Address [redacted]
City [redacted] ZIP [redacted]

(2) LOCATION OF WELL (See instructions):
County _____ Owner's Well Number _____
Well address if different from above 154 San Jon Rd.
Township _____ Range _____ Section _____
Distance from cities, roads, railroads, fences, etc.
AP: 253-012-23



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [ ]
Irrigation [X]
Industrial [ ]
Test Well [ ]
Municipal [ ]
Other [ ]
(Describe)

(5) EQUIPMENT:
Rotary [ ] Reverse [ ]
Cable [X] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [ ] No [X] Size
Diameter of bore
Packed from ft. to ft.

(7) CASING INSTALLED:
Steel [X] Plastic [ ] Concrete [ ]

From ft.	To ft.	Dia. in.	Cage or Wall
0	52	18	10GA
0	628	14	10GA double

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size	
502	562	mills	knife
583	597	mills	knife

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 52 ft.
Were strata sealed against pollution? Yes [ ] No [X] Interval ft.
Method of sealing cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion 70' ft.

(11) WELL TESTS:
Was well test made? Yes [X] No [ ] If yes, by whom? Alsop Drilling & Pump
Type of test Pump [X] Bailer [ ] Air lift [ ]
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes [ ] No [X] If yes, by whom?
Was electric log made Yes [ ] No [X] If yes, attach copy to this report

(12) WELL LOG: Total depth 628 ft. Completed depth 628 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	2	soil
2	116	yellow clay
116	158	blue clay
158	166	sand & gravel rocks to 4"
166	175	yellow clay & sand
175	180	hard yellow clay
180	188	sand gravel & yellow clay
188	280	brown lumpy sand
280	464	yellow & brown clay
464	494	brown & yellow clay; occasional streaks of fine gravel
494	502	blue clay
502	508	yellow clay - occasional streaks of fine gravel
508	562	yellow clay streaked with fine gravel rocks
562	580	sand
580	597	sand & fine gravel
597	620	brown clay
620	628	brown sand & clay

Work started 5/08 1989 Completed 7/18 1989

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Signed _____ (Well Driller)
NAME _____ (Person, firm, or corporation) (Typed or printed)
Address _____
City _____ ZIP _____
License No. _____ Date of this report _____

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DWR 188 (REV. 12-86) 86 96355

TRIPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No.________
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. 786
State Well No. 1-C-24A
Other Well No. 14S/2E-5F4

(1) OWNER:

Name [redacted]

(2) LOCATION OF WELL:

County Monterey   Owner's number, if any—
R. F. D. or Street No.
300' West of Highway 1, 300' North of Molera Road

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☒

From ft.	to ft.	Diam.	Gage or Wall
0	48	18"	12
0	330	16"	10
0	582	12"	12

If gravel packed

Diameter of Bore	from ft.	to ft.

Type and size of shoe or well ring
Size of gravel:
Describe joint

(7) PERFORATIONS:

Type of perforator used Mills
Size of perforations 3½" in., length, by ½ in.

From ft.	to ft.	Perf. per row	Rows per ft.
406	418	8	
422	452	8	
452	475	8	
496	505	8	
523	534	8	

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth ____ ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From 0 ft. to 330 ft.
Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ____ ft.
Standing level before perforating ____ ft.
Standing level after perforating ____ ft.

FC 1169

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No
Yield: ____ gal./min. with ____ hrs.
Temperature of water   Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 582 ft. Depth of completed well 582 ft.
Formation: *Describe by color, character, size of material, and structure.*

ft.	to ft.	Formation
0	6	Sediment
6	16	Quicksand
16	18	Yellow sandy clay
18	20	Sandy blue clay
20	106	Blue clay
106	126	Blue sand
126	161	Blue clay
161	173	Fine blue sand
173	223	Gravel
223	227	Yellow sandy clay
227	236	Gravel
236	238	Yellow sandy clay
238	244	Yellow clay
244	296	Yellow sandy clay
296	304	Red sandy clay
304	318	Red sand & gravel
318	321	Red sandy clay
321	330	Hard yellow clay
333	402	Yellow sandy clay
402	406	Hard yellow clay
406	418	Gravel & yellow clay
418	422	Yellow clay
422	452	Yellow clay & gravel
452	475	Sand & gravel
475	494	Fine sand & gravel
494	496	Yellow clay
496	505	Sand & gravel
505	510	Sandy clay & gravel
510	516	Yellow clay
516	523	Fine gravel & yellow clay
523	534	Sand & gravel
534	538	White sand
538	547	Red sand & clay
547	562	Gravel & yellow clay
562	582	Red sandy clay

____ feet North; ____ feet West of SE corner of Section ____ T. ____, R. ____ B. & M.

Work started ____ 19__, Completed ____ 19__

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy V. Alsop & Son (Person, firm, or corporation) (*Typed or printed*)
Address 1508 Abbott Street, California

[SIGNED] Roy V. Alsop
Well Driller

License No. 132870 Dated March 26, 1954

95669 3-54 2M QUIN SPO   DWR FORM NO. 246 (REV.

FC 1233

TRIPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
№ 25903
State Well No. 1-C-72
Other Well No. 14S/2E-5P2

CONFIDENTIAL

(1) OWNER:

Name [redacted]

Address

(2) LOCATION OF WELL:

County Monterey   Owner's number, if any—

R. F. D. or Street No.

.5 mile SW of Nashua Road, & .1 mile W of Monte Road.

(3) TYPE OF WORK (*check*):

New well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary [ ]
Cable [X]
Dug Well [ ]

(6) CASING INSTALLED:

SINGLE [ ] DOUBLE [X]

From ft.	to ft.	Diam.	Gage or Wall
0	40	18	12
0	308	16	10
0	606	12	12

If gravel packed

Diameter of Bore	from ft.	to ft.

Type and size of shoe or well ring

Size of gravel:

Describe joint

RECEIVED JAN 3 ... Central Coastal Region Water Pollution Control Board

(7) PERFORATIONS:

Type of perforator used Mills

Size of perforations 3½ in., length, by 1/4 in.

From ft.	to ft.	Perf. per row	Rows per ft.
464	478	8	1
560	588	8	1

(8) CONSTRUCTION:

Was a surface sanitary seal provided? [ ] Yes [ ] No To what depth ft.

Were any strata sealed against pollution? [ ] Yes [ ] No If yes, note depth of strata

From 0 ft. to 308 ft.

Method of Sealing 308' of 16" blank casing

(9) WATER LEVELS:

Depth at which water was first found ft.

Standing level before perforating ft.

Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? [ ] Yes [ ] No If yes, by whom?

Yield: gal./min. with ft. draw down after hrs.

Temperature of water   Was a chemical analysis made? [ ] Yes [ ] No

Was electric log made of well? [ ] Yes [ ] No

(11) WELL LOG:

Total depth 606 ft. Depth of completed well 606 ft.

Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	Formation
0	3	Sediment
3	12	Black adobe
12	26	Yellow sandy clay
26	124	Blue clay
124	160	Blue sand & gravel
160	201	White sand & gravel
201	203	Red sandstone (soft)
203	218	Sandstone & gravel
218	224	sandy yellow clay
224	280	Gravely yellow clay
280	312	Hard yellow clay
312	320	Sandy yellow clay
320	330	Hard yellow clay
330	338	Hard blue clay
338	350	Yellow clay
350	368	Gravel & yellow clay
368	380	Hard yellow clay
380	404	Yellow sandy clay
404	412	Gravely yellow clay
412	420	Hard yellow clay
420	434	Sand & fine gravel
434	438	Clay & fine gravel
438	443	Sand & fine gravel
443	448	Yellow clay & fine gravel
448	464	Sand & fine gravel
464	478	Sand & gravel
478	493	Sand & fine gravel
493	498	White sand
498	507	Red sand & sandstone
507	508	Hard yellow clay
508	517	Hard sandstone
517	522	White clay
522	534	Hard blue clay
534	548	Soft blue clay
548	559	Yellow clay
559	560	Sandy yellow clay
560	588	Sand & gravel
588	600	Soft yellow clay
600	606	Hard yellow clay

Work started 19 , Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy V. Alsop & Son
(Person, firm, or corporation) (Typed or printed)

Address 1508 Abbott Street
Salinas, California

[SIGNED] Roy V Alsop
Well Driller

License No. 132870   Dated May 20 19

95689 3-54 50M QUIN SPO   DWR FORM NO. 246 (REV.)

FC 1246

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. S.F. Bay
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code) 1733

THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
No. 117650 50
State Well No. 33m
Other Well No. 13/2-
area 33

(1) OWNER:

Name [redacted]

(2) LOCATION OF WELL:

County Monterey Owner's number, if any—

R. F. D. or Street No. 1/2 Mile S. of intersection of Hy. #156 & Watsonville Hy. and 100' W. of State Hy. (#1) 156

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☒ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
~~0~~	~~314~~	~~12~~	~~1/4"~~
~~0~~	~~590~~		
~~314~~	~~590~~	~~10~~	~~1/4"~~
0	193	12	1/4"
193	590	10	1/4"

If gravel packed

Diameter of Bore	from ft.	to ft.
~~0~~		
25"	0	60
24"	60	590

Type and size of shoe or well ring

Size of gravel: 1/4"

Describe joint Collars welded

(7) PERFORATIONS:

Type of perforator used Factory punched

Size of perforations 1-1/2 in., length, by 5/32 in.

From ft.	to ft.	Perf. per row	Rows per ft.
314	590		

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 313 ft.

Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata

From 0 ft. to 313 ft.

Method of Sealing Cement between bore & casing

(9) WATER LEVELS:

Depth at which water was first found ft.

Standing level before perforating ft.

Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom? to be made by others

Yield: gal./min. with ft. draw down after hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☒ Yes ☐ No

(11) WELL LOG:

Total depth 611 ft. Depth of completed well 590 ft.

Formation: *Describe by color, character, size of material, and structure.*

From ft.	to ft.	Formation
0	3	Surface soil
3	60	Mucky blue clay, sand
60	93	Blue clay, sand, gravel
93	138	Coarse sand, sand, gravel
138	206	Coarse sand, boulders, san
206	228	Sand gravel, yellow gravel clay
228	251	Yellow clay
251	273	Yellow clay, sandy yellow clay
273	318	Yellow sandy clay, sand streaks
318	341	Yellow sandt clay, hard shell
341	363	Grey & yellow sandy clay sand
363	408	Sand, streaks of sandy cla
408	521	Sand, gravel, streaks of sandy clay
521	543	Sand, coarse gravel
543	566	Coarse sand, sandy yellow clay
566	588	Yellow gravelly & sandy clay, hard
588	611	Yellow gravelly & sandy clay, yellow clay.

CONFIDENTAL LOG
Water Code Sec. 7099

Work started 7 7 1966. Completed 7 23 1966

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Pump & Drilling Co., (Person, firm, or corporation) (Typed or printed)

Address 1128 Madison Lane, Salinas, California.

[SIGNED] [signature] Well Driller

License No. 206267 Dated 7 30, 19

87840 8-63 25M QUIN DWR 188 (REV. 3-64)

SEP-13-93 MON 16:18 MCHD ENVIRO HEALTH 4087554880 P.02

Hwy 1 + Monte Rd

14s/02E-7L05

QUADRUPLICATE
Use of comply with local requirements

FC 1255

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 176757

Notice of Intent No. ____
Local Permit No. or Date W4735 4/6/88

State Well No. ____
Other Well No. ____

(1) OWNER: Name [redacted]
Address [redacted]
City [redacted] Zip [redacted]

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number 5413
Well address if different from above ____
Township 14S Range 2E Section 25
Distance from cities, roads, railroads, fences, etc.
Highway 1 and Monte Road

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ mud Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size pea gravel
Diameter of bore 28?
Packed from 100-465 to 485-610 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen ____

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	60	30	.250	--Conductor Casing		
0	610	16	.250	330	450	1/8x2½
				510	610	1/8x2½

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 300 ft.
Were strata sealed against pollution? Yes ☒ No ☐ Interval 465-485 ft.
Method of sealing Cement/ 0-60-Conductor Casing

(10) WATER LEVELS:
Depth of first water, if known ____ ft.
Standing level after well completion ____ ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom? ____
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ____ ft. At end of test ____ ft.
Discharge ____ gal/min after ____ hours Water temperature ____
Chemical analysis made? Yes ☐ No ☐ If yes, by whom? ____
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 632 ft. Depth of completed well 610 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0- 25- clay
25- 38- sand
38- 70- sandy clay
70- 85- clay
85-105- sand
105-210- clay w/some sand
210-235- gravel
235-245- clay
245-270- gravel
270-320- caly-sandy
320-370- gravel
370-385- clay
385-440- gravel
440-460- sand
460-510- clay-sandy
510-545- gravel
545-548- clay
548-585- gravel
585-590- clay-sand
590-615- gravel
615-632- clay-sandy

Work started April 19 19 88 Completed May 26 19 88

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED ____ (Well Driller)

NAME Eaton Drilling Company
(Person, firm, or corporation) (Typed or printed)
Address P.O. Box 975
City Woodland, California Zip 95695
License No. 133783 C57 Date of this report May 31 1988

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Private well

FC 1257

ORIGINAL

File with DWR

Notice of Intent No.________

Permit No. or Date________

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 072220

State Well No. 15/02-7L4

Other Well No. 14S/2E-7L4 400' AQUIFER

(1) OWNER: Name [redacted]

Address [redacted]

City ______ Zip ______

(2) LOCATION OF WELL (See instructions):

County Monterey Owner's Well Number 6T-945 W-3924

Well address if different from above________

Township 14S Range 2E Section 7

Distance from cities, roads, railroads, fences, etc. 101-Del Monte overpass: 150' W 300' S

WELL LOCATION SKETCH

(605-759 - 00, 672-47, 229-81, 95, 120-137)

(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:

Rotary ☐ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size 3/8 pea gravel

Diameter of bore 28"

Packed from 330 to 560 ft.

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0-	560	16"OD	x.281

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Slot size
360-	560	16 rows x .125 mesh x 3" millslot

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 330 ft.

Were strata sealed against pollution? Yes ☐ No ☐ Interval______ft.

Method of sealing cement

(10) WATER LEVELS:

Depth of first water, if known________ft.

Standing level after well completion________ft.

(11) WELL TESTS:

Was well test made? Yes ☐ No ☐ If yes, by whom?________

Type of test Pump ☐ Bailer ☐ Air lift ☐

Depth to water at start of test______ft. At end of test______ft

Discharge______gal/min after______hours Water temperature______

Chemical analysis made? Yes ☐ No ☐ If yes, by whom?______

Was electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 645 ft. Depth of completed well 560 ft.

from ft. to ft.	Formation (Describe by color, character, size or material)
0- - 8	loose top soil and sand
8- 15	clay
15- 44	sand
44- 46	clay
46- 93	sand
93-100	clay
100-112	sandy clay
112-120	sand
120-235	clay and sandy clay
235-251	sand
251-264	sand and clay
264-280	brn. clay
280-318	gravel
318-322	brn. clay
322-340	gravel
340-343	brn. clay
343-356	sand and gravel
356-358	brn. clay
358-378	gravel
378-400	sand and gravel
400-402	brn. clay
402-409	gravel
409-414	sandy clay
414-422	gravel
422-423	brn. clay
423-432	sand
432-434	brn. clay
434-446	gravel
446-448	brn. clay
448-520	clay and sandy clay
520-558	gravel
558-564	brn. clay
564-568	sand
568-564	brn. clay (?? overlap)
-564-570	sand
-570-624	sand and gravel
-624-645	brn. clay
-	
-	

Work started______19____ Completed______19____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED________
(Well Driller)

NAME Eaton Drilling Co. Inc.
(Person, firm, or corporation) (Typed or printed)

Address 20 W. Kentucky/P. O. Box 975

City Woodland, California Zip 95695

License No. 133783C57 Date of this report 8--23-1983

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC1299 This log confirmed as to location by Roy Hisop

ORIGINAL
File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. S.F. Bay
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
No 114718

State Well No. ~~16~~ 23
Other Well No. 14/2-9R

14S/02E-09K5

(1) OWNER:
Name [redacted]
Address [redacted]

(2) LOCATION OF WELL:
County Monterey Owner's number, if any—
R. F. D. or Street No. Appx. 1-1/2 mile N. of the intersection of Nashua & Coopers Rds, & about 1/2 Mile ~~north~~ west of Nashua Rd.

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	192	12 1/4	
192	614	10 1/4	

Type and size of shoe or well ring
Describe joint Collars Welded

If gravel packed

Diameter of Bore	from ft.	to ft.
24	0	614

Size of gravel: 1/4

(7) PERFORATIONS:
Type of perforator used Factory punched
Size of perforations 1-1/2 in., length, by 5/32 in.

From ft.	to ft.	Perf. per row	Rows per ft.
360	614		

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 340 ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From 0 ft. to 340 ft.
Method of Sealing Cemented between bore & casing

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes, by whom? By others
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:
Total depth ~~XXX~~ 614 ft. Depth of completed well 614 ft.
Formation: Describe by color, character, size of material, and structure.

0 ft. to	3 ft.	Surface soil
3 "	20 "	Yellow mucky, largely cl
20 "	30 "	" " " "
30 "	71 "	Blue muck & blue clay
71 "	93 "	Blue muck, blue clay, sa
93 "	138 "	Blue sandy clay, sand
138 "	240 "	Sand, gravel, coarse
240 "	251 "	Haad red sand clay
251 "	273 "	Blue clay, yellow sandy
273 "	296 "	Light yellow sandy clay
"	"	sand
296 "	318 "	Yellow sandy clay, blue
"	"	sandy clay clay
318 "	341 "	Yellow sandy clay, yello
341 "	355 "	Yellow sandy clay, sand
355 "	408 "	Sand, thin streaks yello
"	"	sandy clay
408 "	463 "	Yellow sandy clay, sand
463 "	498 "	Sand, streaks yellow san
"	"	yellow clay
498 "	543 "	Sand, hard shell, sandy
"	"	yellow clay
543 "	566 "	White sandy clay, sand
566 "	614 "	Sand, streaks white sand
"	"	clay.
"	"	
"	"	
"	"	
"	"	CONFIDENTIAL LOG
"	"	Water Code Sec. 7080

Work started 1 13 19 67. Completed 2 12 19 67

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Pump & Drilling Co.,
(Person, firm, or corporation) (Typed or printed)
Address 1128 Madison Lane
Salinas, Calif. 93901

[SIGNED] [redacted]
Well Driller

License No. 206267 Dated 2 18 19 67

FC 1324

14S12E-15C pa
1204 Alsip

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 097755

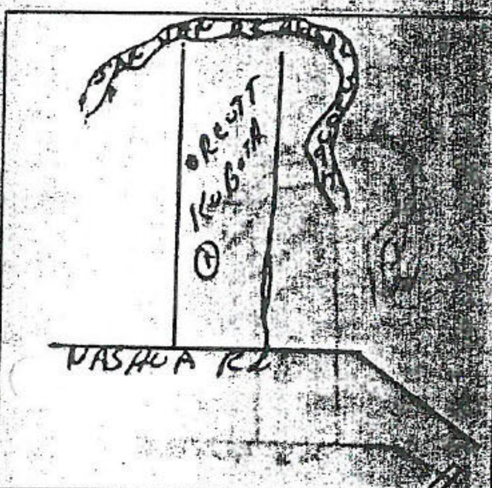
State Well No. 14S12E-15C0.
Other Well No.

M 1736

OWNER: Name [redacted]

[redacted] Zip [redacted]

LOCATION OF WELL (See instructions): 6T-1002-1
County Monterey Owner's Well Number W-3370-1
Well address if different from above Kubota Ranch - Orcutt
Township Range Section
Distance from cities, roads, railroads, fences, etc.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☐ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size pea gravel
Diameter of bore 26"
Packed from 0 to 606 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	550	16"	THK 250
			ours-tex

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
320	550	16 row Mill #136

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 320 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ft.
Method of sealing cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 606 ft. Depth of completed well 550 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	10	Top soil
10	20	Blue clay
20	28	Sand-brown
28	46	Blue clay
46	52	Sand
52	60	Sandy clay
60	94	Blue clay
94	104	Gravel
104	120	Clay
120	126	Gravel and clay
126	160	Gravel and sand
160	194	Sandy clay
194	208	Clay
208	250	Tight clay
250	290	Gravel, sand and clay mix
290	320	Blue clay
320	388	Gravel and sand brown
388	404	Clay
404	462	Gravel and sand
462	496	Sandy clay
496	506	Clay
506	526	Gravel
526	536	Clay
536	554	Gravel
554	576	Clay and sand
576	594	Sandy clay
594	606	Sandy clay

Work started 6-6 1978 Completed 6/20 1978

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)

NAME ROY V. ALSOP & SONS INC.
(Person, firm, or corporation) (Typed or printed)
Address P.O. Box 178
City Salinas, CA Zip 93902
License No. 333159 Date of this report 6-21-78

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

FC 1393

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

400 ft

Do not fill in

No. 361832 27G/50

State Well No. 14/02-4S

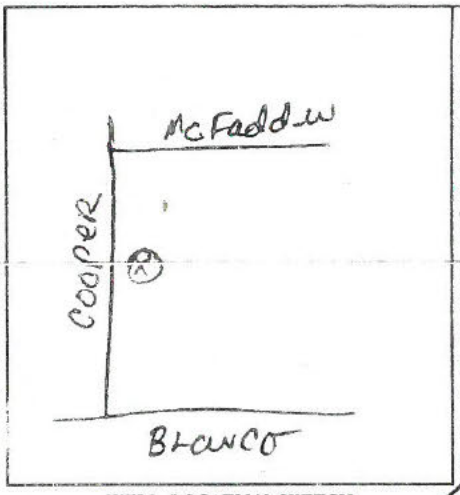
Other Well No.

Notice of Intent No.

Local Permit No. or Date W 6312

(1) OWNER: Name [redacted]
Address [redacted]
City [redacted] ZIP

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.
414-013-31



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Municipal ☐
Other ☐
(Describe)

(5) EQUIPMENT:
Rotary ☐ Reverse ☐
Cable ☒ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☐ No ☑ Size
Diameter of bore
Packed from ft. to ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	52	24	10	612-576	504-493	
0	320	20	10	564-558	490-484	
0	624	16	10	524-518	462-454	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 320' ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ft.
Method of sealing Neat Cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 624 ft. Completed depth ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	Top soil
3	12	Sandy yellow clay
12	28	Yellow sand
28	34	Yellow sandy clay
34	102	Blue clay
102	104	Blue sand
104	112	Sandy blue clay
112	136	Packed blue sand
136	154	Gravel and sand
154	164	Sand (yellow)
164	178	Sand, some gravel
178	191	Heavy gravel
191	193	Hard brown-blue clay
193	195	Hard yellow clay (redwood)
195	200	Yellow sandy clay
200	210	Sand, fine gravel
210	220	Sand, gravel (tight)
220	240	Heavy gravel
240	250	Sand, gravel, layers of clay
250	285	Sand, gravel (tight)
285	287	Yellow clay
287	288	Gravely yellow clay
288	316	Sand, gravel (tight)
316	330	Hard yellow clay
330	340	Packed brown sand
340	348	Gravel
348	352	Yellow clay
352	358	Packed brown sand
358	366	Tight gravel
366	376	Yellow clay
376	388	Yellow-white clay
388	418	Tight gravel,1-2" rock (P)
418	430	Yellow clay
430	446	Gravel and clay
446	454	Sand, fine gravel,clay
454	462	Tight gravel (P),1"-2" gravel with some 3" or bigger rock
464	470	Yellow clay
470	478	Yellow-white clay
478	484	Tight packed sand

Work started July 1 1991 Completed Aug 9 1991

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed (Well Driller)

NAME Roy Alsop Pump & Drilling Co., Inc. (Person, firm, or corporation) (Typed or printed)

Address 1508 Abbott Street

City Salinas, CA ZIP 93901

License No. 569945 Date of this report August 27, 91

DWR 188 (REV. 12-86) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 86 96355

FC 1464

145/2E-9D3

DUPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA 33

Do Not Fill In
No 71879
State Well No. 145/2E-9E?
Other Well No.

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey Owner's number, if any—
R. F. D. or Street No. 1 C 100 ft. off West side of Hanlun Road N E of # 57

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☐ DOUBLE ☒

	From ft.	to ft.	Diam.	Gage or Wall
"	0	40	18	10
"	0	300	16	10
"	0	542	12	12

Type and size of shoe or well ring
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:
Type of perforator used Mills
Size of perforations 3/8 in., length, by 1/4 in.

From ft.	to ft.	Perf. per row	Rows per ft.
401	419	6	4
424	443	6	4
457	478	6	4

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From 0 ft. to 300 ft.
Method of Sealing Welded Liner

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:
Total depth 542 ft. Depth of completed well 542 ft.
Formation: *Describe by color, character, size of material, and structure.*

0 ft. to	3 ft.	Top soil
2 "	10 "	Yellow sandy clay
10 "	14 "	Sand & yellow clay
14 "	22 "	Soft blue clay
22 "	60 "	Blue sandy clay
60 "	84 "	Blue clay
84 "	101 "	Blue sand & clay
101 "	107 "	Blue sand
107 "	118 "	Blue sandy clay
118 "	145 "	Blue clay
145 "	148 "	Gravely blue clay
148 "	154 "	Blue sand, some gravel
154 "	177 "	White sand & gravel
177 "	178 "	Sandy yellow clay
178 "	216 "	White sand & gravel
216 "	217 "	Red sandstone ledge
217 "	235 "	Fine red sand & gravel
235 "	247 "	Sandy yellow clay
247 "	273 "	Hard yellow clay
273 "	285 "	Sandy yellow clay
285 "	288 "	Hard yellow clay
288 "	303 "	Sandy yellow clay
303 "	310 "	Hard yellow clay
310 "	345 "	Sandy yellow clay
345 "	351 "	Hard yellow clay
351 "	356 "	Sandy yellow clay
356 "	358 "	Sand & fine gravel
358 "	362 "	Sand & gravel
362 "	368 "	Sandy yellow clay
368 "	373 "	Sand & gravel
373 "	391 "	Yellow clay
391 "	395 "	Sandy yellow clay
395 "	401 "	Gravely yellow clay
401 "	419 "	Sand & gravel
419 "	424 "	Yellow clay
424 "	443 "	Sand & gravel
443 "	457 "	Yellow clay
457 "	478 "	Sand & gravel
478 "	486 "	Fine sand & fine gravel
486 "	491 "	Sandy yellow clay
491 "	497 "	Fine sand & fine gravel
497 "	516 "	Fine red sand & fine gray
"		Continued

Work started 4 19 , Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy V. Alsop & Son
(Person, firm, or corporation) (Typed or printed)
Address 1508 Abbott Street
Salinas, California

[SIGNED] Roy V. Alsop
Well Driller
License No. 132870 Dated April 24, 19 61

57025 6-57 50M QUIN △ SPO DWR 188 (REV. 3-56)

CONFIDENTIAL Section 707 Water Code

FC 1466

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
№ 25910
State Well No. 1-C-71
Other Well No. 14/2E-8C3

CONFIDENTIAL

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey Owner's number, if any—
R. F. D. or Street No. Boutonnett Lease
.5 mile SW of Nashua Road. & .2 mile
E of Monte Road.

(3) TYPE OF WORK (check):
New well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:
Rotary [ ]
Cable [X]
Dug Well [ ]

(6) CASING INSTALLED:
SINGLE [ ] DOUBLE [X]

From ft.	to ft.	Diam.	Gage or Wall
0	36 ft. 18		12
0	300	16	10
0	556	12	12

If gravel packed: Diameter of Bore / from ft. / to ft.

Type and size of shoe or well ring
Size of gravel:
Describe joint

(7) PERFORATIONS:
Type of perforator used Mills
Size of perforations $3\frac{1}{2}$ in., length, by 1/4 in.

From ft.	to ft.	Perf. per row	Rows per ft.
532	540	6	1
395	405	6	1
407	410	6	1
460	480	6	1
492	505	6	1

(8) CONSTRUCTION:
Was a surface sanitary seal provided? [X] Yes [ ] No To what depth 300 ft.
Were any strata sealed against pollution? [X] Yes [ ] No If yes, note depth of strata
From 0 ft. to 300 ft.
Method of Sealing 300' blank casing

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:
Was a pump test made? [ ] Yes [ ] No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? [ ] Yes [ ] No
Was electric log made of well? [ ] Yes [ ] No

(11) WELL LOG:
Total depth ft. Depth of completed well ft.
Formation: *Describe by color, character, size of material, and structure.*

ft.	to ft.	Formation
0	3	Sediment
3	6	Black Adobe
6	27	Sediment
27	78	Blue clay
78	101	Blue clay, streaks sand
101	141	Blue clay
141	213	Sand & coarse gravel
213	239	Sand& sandstone
239	257	Y. clay, sand & sandstone
257	277	Hard yellow sandy clay
277	292	Sand, gravel & clay
292	347	Hard yellow clay
347	357	Blue clay
357	363	Yellow clay
363	367	Sand & fine gravel
367	371	Sand & fine gravel
371	379	Fine gravel
379	387	Coarse sand
387	391	Sand & gravel
391	395	Coarse sand
395	405	Sand & gravel
405	407	Sand & fine gravel
407	410	Sand & gravel
410	417	Yellow clay
417	444	Gravely clay
444	447	Sand & fine gravel
447	454	Yellow clay
454	460	Gravely clay
460	476	Sand & gravel
476	480	Sand, gravel & clay
480	492	Sand, fine gravel & clay
492	500	Sand & gravel
500	505	Gravel & sandstone
505	520	Sandstone
520	527	Hard sandstone
527	532	Clay
532	540	Sand & fine gravel
540	550	Sand & gravel
550	556	Clay

Work started 19 , Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy V. Alsop & Son
(Person, firm, or corporation) *(Typed or printed)*
Address 1508 Abbott Street
Salinas, California

[SIGNED] Roy V Alsop Well Driller

License No. 132870 Dated May 3, 19

95889 3-54 50M QUIN SPO DWR FORM NO. 248 (REV. 3-54)

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, Water Code)

STATE OF CALIFORNIA

1440

FC 1522

Do Not Fill In
Nº 71563

State Well No. ______
Other Well No. 14/2 - 34R2

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey   Owner's number, if any— 3
R. F. D. or Street No. Located about 500 Yards S.W. of salinas-Castroville Highway at a point approximately 1/4 Mile S.E. of the intersedtion of Salinas-Castroville Highway and Espinosa Road.

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	300	14	1/4
300	302	14 X 12	1/4
302	566	12 X 1/4	

If gravel packed

Diameter of Bore	from ft.	to ft.
24 26	0	566

Type and size of shoe or well ring
Size of gravel: 1/4
Describe joint Collars welded

(7) PERFORATIONS:
Type of perforator used Factory punched
Size of perforations 1-1/2 in., length, by 5/32 in.
From 302 ft. to 566 ft. Perf. per row Rows per ft.

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 300 ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From 0 ft. to 300 ft.
Method of Sealing Cement pumped between bore & casing

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes, by whom? to be made later
Yield: gal./min. with ft. draw down after hrs.
Temperature of water   Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☒ Yes ☐ No

(11) WELL LOG:
Total depth 566 ft. Depth of completed well 566 ft. 33

Formation: *Describe by color, character, size of material, and structure.*

ft.	to ft.	Formation
0	2	Top Soil
2	20	Yellow & Blue sand
20	53	Blue Mucky clay, streaks of sand
53	75	Blue mucky clay, yellow sandy clay
75	210	Coarse sand, coarse gravel
210	232	Coarse sand, streaks of yellow sandy clay
232	299	Yellow sandy clay, yellow clay
299	322	Yellow sandy clay, streaks of sand
322	344	Yellow, light blue and white clays
344	367	White clay, sand, soft
367	434	Coarse sand, thin streaks of yellow clay
434	479	Coarse sand, thin streaks of white clay
479	566	Coarse sand, streaks of yellow clay

Work started 7 10 1965 Completed 7 16 1965

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Pump & Drilling Co.,
(Person, firm, or corporation) (Typed or printed)
Address 1268 Abbott St.,
Salinas, California.

[SIGNED] (signature)
Well Driller

License No. 206267 Dated July 21, 19 65

CONFIDENTIAL Section 7076.1, Water Code

87025 6-57 50M QUIN SPO DWR 188 (REV. 3-54)

14,/02E-09H03

P. O. BOX 178
1508 ABBOTT ST.

ROY V. ALSOP & SON

SINCE 1875

Well Drilling

FAIRBANKS-MORSE PUMPS AND PRESSURE SYSTEMS POMONA
INDUSTRIAL PUMPS
SALES AND SERVICE
SALINAS, CALIFORNIA 93901

322' 16" #10 ga. Dbl Casing
322' 14" #12 ga. " "
556' 14" #12 ga. " "

LOG OF WELL - BUD ANTLE, INC.
(Hobbs - Off Nashua Road)
Lot 18

July 20, [illegible]

0 ft.	to	3 ft.	Adobe
3	"	38	Yellow sediment
38	"	48	Sandy blue clay
48	"	96	Blue clay
96	"	102	Gravely blue clay
102	"	108	Yellow sandy clay
108	"	212	Sand & gravel
212	"	216	Sand & some gravel
216	"	220	Yellow clay
220	"	282	Red fine sand & clay
282	"	284	Yellow clay
284	"	290	Gravely red clay
290	"	294	Red sediment
294	"	295	Sandstone
295	"	304	Red sand
304	"	306	Yellow sediment
306	"	316	Red sand & some clay
316	"	334	Yellow clay
334	"	335	Gravely yellow clay
335	"	336	Fine gravel & sand
336	"	363	White gravel & some clay
363	"	374	Coarse sand
374	"	386	Gravel & some clay
386	"	404	Yellow clay
404	"	420	Gravel & clay
420	"	425	Fine gravel
425	"	450	Hard packed sand & some white sandstone
450	"	490	White clay & sandstone
490	"	496	Fine sand & some yellow clay
496	"	530	Yellow clay
530	"	534	Red sandy sediment
534	"	540	Yellow clay
540	"	550	Blue clay
550	"	556	Yellow-white clay

REPERFORATE 378-386
✓ 404-420
PERFORATE 420-425
PERFORATE 450-485

5
35
40 + 48 = ~~88~~ 80

Perforations:- ~~339 ft. to 363 ft.~~
378 " " 386 "
404 " " 420 "
450 " " 485

Static Water Level: 60 ft.

ORIGINAL
File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. 2
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

1797

Do Not Fill In
No 87348
State Well No.
Other Well No. 14/2-4 N1

OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any--
R. F. D. or Street No.
3/4 mi East of State Hwy 1
1/2 mi North of Nashua Road

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☒

				Gage or Wall
From 0 ft. to	52 ft.	18 Diam.	10	"
0 "	320 "	16 "	10	"
0 "	684 "	12 "	12	"

Type and size of shoe or well ring
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.
	"	"
	"	"
	"	"
	"	"
	"	"

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Mills
Size of perforations 3 1/2 in., length, by 5/16 in.

From 400 ft. to	415 ft.	8	Perf. per row	1	Rows per ft.
" 467 "	472 "	8	" " "	1	" " "
" 480 "	485 "	8	" " "	1	" " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 320 ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata

From	0 ft. to	320	ft.
"	"		

Method of Sealing Casing welded water tight

(9) WATER LEVELS:

Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

33

Total depth 684 ft. Depth of completed well 684 ft.

Formation: Describe by color, character, size of material, and structure.

0 ft. to	3 ft.	Top soil
3 "	20 "	Yellow sandy clay
20 "	91 "	Blue clay
91 "	100 "	Sandy blue clay
100 "	113 "	Yellow gravely clay
113 "	137 "	Sand & gravel
137 "	145 "	Sand & fine gravel
145 "	148 "	Yellow clay, some gravel
148 "	161 "	Sand & gravel
161 "	202 "	Sand & heavy gravel
202 "	218 "	Sand, some gravel
218 "	263 "	Sand & heavy gravel
263 "	276 "	Yellow clay
276 "	288 "	Red clay & sandstone ledge
288 "	354 "	Yellow clay
354 "	400 "	Rucky yellow clay
400 "	415 "	Sand & gravel
415 "	440 "	Yellow clay
440 "	459 "	Yellow clay, some gravel
459 "	467 "	Yellow clay
467 "	480 "	Sand & gravel
480 "	485 "	Coarse sand & gravel
485 "	488 "	Sandstone
488 "	539 "	Yellow clay
539 "	550 "	Red clay
550 "	562 "	Sandy yellow clay
562 "	569 "	Red clay, some gravel
569 "	604 "	Red clay
604 "	610 "	Sand & gravel, some clay
610 "	626 "	Red sandy clay
626 "	640 "	White sandy clay
640 "	648 "	Fine sand, some yellow clay
648 "	660 "	Hard yellow clay
660 "	684 "	Blue clay

CONFIDENTAL LOG
Water Code Sec. 7030

GROUND ELEVATION 13'

Work started 19 , Completed February 1 19 66

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy V. Alsop & Son
(Person, firm, or corporation) (Typed or printed)
Address 1508 Abbott Street
Salinas, California 93901
[SIGNED] Roy V. Alsop
Well Driller
License No. 132870 Dated February 1 , 19

FC 1589

Crowell – Willoughby 14S/2E-10M5 ~~10P~~ ~~10P50~~ 10P02

Per Roy Alsop 10P02

DUPLICATE Driller's Copy

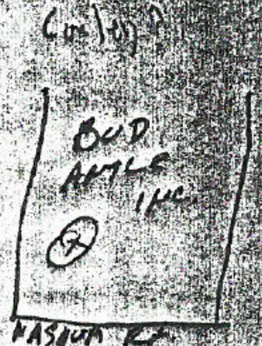
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 097756
State Well No. 14S/2E-10F
Other Well No. 10M03 10P02

Notice of Intent No.
Local Permit No. or Date W 1731

(1) OWNER: Name [redacted]
Address
City [redacted] Zip [redacted]

(2) LOCATION OF WELL (See instructions): 6T1002-2
County Owner's Well Number W-3370-2
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☐ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size Pea grv.
Diameter of bore
Packed from 0 to 635

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	624	16 collared	.250 .283	330	624	Mill slot

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 320 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ft.
Method of sealing Cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 635 ft. Depth of completed well 624 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	6	Top soil
6	20	Blue clay
20	32	Sand - brown
32	130	Blue clay
130	200	Gravel
200	236	Clay
236	280	Gravel and sand
280	290	Clay
290	308	Gravel and sand
308	328	Clay
328	350	Sand and gravel
350	360	Clay
360	370	Sand and gravel
370	374	Clay
374	400	Gravle and sand
400	410	Clay
410	426	Sand and gravel
426	436	Clay
436	466	Gravel
466	502	Sandy clay
502	514	Clay
514	526	Sand and gravel
526	540	Clay
540	576	Gravel
576	602	Clay
602	626	Gravel
626	635	Clay

Work started 6-15 1978 Completed 6-30 1978

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)
NAME ROY V. ALSOP & SONS, INC. (Person, firm, or corporation) (Typed or printed)
Address P.O. Box 178
City Salinas, CA Zip 93902
License No. 311459 Date of this report 6-30-78

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Eaton drilled

ORIGINAL
File with DWR

14/02-

FC1590

400' AQUIFER 07B50

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. 421834

#changed after LOCATION CHECKED IN FIELD 6-10-93 LP

DWR USE ONLY — DO NOT FILL IN
14S02E-06Q50
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Page 1 of 1
Owner's Well No. 5771
Date Work Began 09/24/90 , Ended 10/08/90
Local Permit Agency MONTEREY CO ENVIRONMENTAL HLTH
Permit No. 5853 Permit Date 08/07/90

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	84	CONDUCTOR
84	112	SANDY CLAY (BAD SALT ARV 202)
112	286	LARGE GRAVEL (white) SOME SMALL CLAY LENSES
286	335	BROWN CLAY
335	380	LARGE GRAVEL & SAND
380	415	SAND, SOME CLAY STREAKS
415	435	LARGE GRAVEL & SAND
435	500	SAND 1/8 TO FAIRLY FINE
500	520	BROWN CLAY
520	580	SAND 1/8 TO FAIRLY FINE
580	704	DARK BROWN SANDY CLAY WITH ACC SAND LENSES
704	715	SAND 1/8 AND SMALLER
715	750	DARK BROWN CLAY, SOME SAND LENSES

TOTAL DEPTH OF BORING 750 (Feet)
TOTAL DEPTH OF COMPLETED WELL 590 ? (Feet)

WELL OWNER

Name [redacted]
Mailing Address [redacted]

WELL LOCATION

Address MOLERA & H NEAR CASTROVILLE
City
County MONTEREY
APN Book 229 Page 031 Parcel 02
or Township 14 S Range 2 E Section
or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH

NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
___ Domestic
___ Public
X Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD REVERSE FLUID WATER

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___
ESTIMATED YIELD* 0.00 (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
** May not be representative of a well's long-term yield.*

CASING(S) 16" Collared

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	80	42"	BLK		CO		STEEL	30"	.312	
0	310	28"	BLANK				ASTM135	16"	.312	
310	580	28"		SCREEN			ASTM135	16"	.312	1/8x2-½ millslot

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	310	X			7SK/SAND
310	590	tremied		X	PEA GRAVEL
0	80	X			7SK/SAND
		Conductor			Slurry

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME EATON DRILLING COMPANY, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

~~20 W. Kentucky Ave.~~ ADDRESS ~~Woodland~~ CITY ~~CA~~ STATE ~~95695~~ ZIP

Signed [signature] WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED ~~10/03/91~~ C-57 LICENSE NO. ~~433783~~

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

15S/2E-29FX2

FC 1593

61 Riker Street, Salina., Calif.
November 30, 1955

Log of John Lyons Well #1

From	To	
0	2	Surface Soil
2	28	Sand and streaks of yellow clay
28	50	Coarse Gravel and Sand
50	75	Coarse gravel & sand and streaks of blue clay
75	119	" " " " " " " " "
119	132	Coarse gravel & sand
132	154	Coarse gravel
154	176	Coarse gravel and streaks of yellow clay
176	199	" " " " " " "
199	244	Coarse gravel and streaks of yellow clay
244	311	Coarse gravel & sand
311	345	Blue clay
345	380	Red sand
380	400	Blue sand
400	423	Blue sand, coarse streak of blue clay
423	446	Red sand
446	468	Red sand, coarse sand
468	491	Streak blue clay, red sand
491	514	Red sand and coarse sand
514	530	" " " "
530	549	Very hard blue clay

CASING DETAIL

347 feet of 16" X 5/16" of blank casing cemented outside with 400 sacks of cement. 192 feet of 10" X 3/16" of perforated casing, perforations are 3/32 X 1" horizontal slots. 24feet of blank 10" X 3/16" on top of perforations, casing lapped up inside of 10" with guide on top of casing Perforated casing has cone on bottom joint. Total depth of well is 549 feet.

347
192
24
563

WALKER DRILLING CO.

Ed. H. Walker

FC 1636 — 14S/2E-12L — P-400 — 33

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

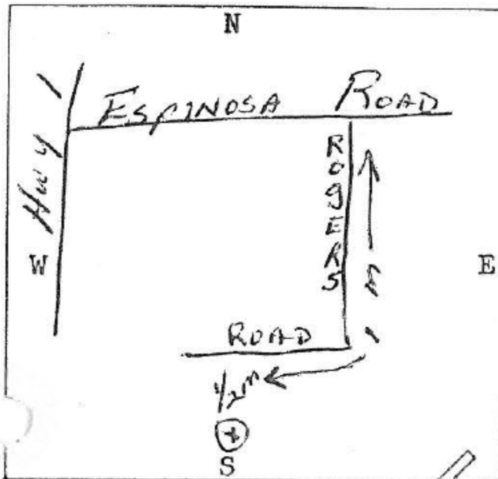
Do not fill
No. 074515

Notice of Intent No. ____
Local Permit No. or Date W-1740

State Well No. 14/2E-12
Other Well No. ____

(1) OWNER: Name [redacted]
Address
City
Zip [redacted]

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number 253-012-43
Well address if different from above ____
Township 14S Range 2E Section 12
Distance from cities, roads, railroads, fences, etc. 1 m. SW on Rogers Rd from Espinosa Rd -- ½ m. S. off road



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size #8 Sand
Diameter of bore 24"
Packed from 0 to 610 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen: Johnson Irrigator

From ft.	To ft.	Dia. in.	Gage or Wall
0	50	26	3/16
0	300	14	¼
300	590	12	¼

From ft.	To ft.	Slot size
435	445	40
470	510	
510	520	
520	580	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval ____ ft.
Method of sealing Grout

(10) WATER LEVELS:
Depth of first water, if known ____ ft.
Standing level after well completion ____ ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Maggiora Bros
Type of test: Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test 72 ft. At end of test 99 ft
Discharge 1700 gal/min after 4½ hours Water temperature ____
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? ____
Was electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 610 ft. Depth of completed well 590

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	Black Top Soil
3	20	Brown Sandy Clay
20	40	Brown Sand
40	48	Brown Sand & Gravel
48	50	Blue Sandy Clay
50	85	Brown Sand
85	100	Brown Sandy Clay
100	115	Blue Clay - Some Sand
115	205	Blue Clay
205	265	Brown & Blue Sandy Clay
265	280	Coarse Sand & Clay
280	295	Brown Clay
295	310	Coarse Sand & Clay
310	405	Brown Clay
405	415	Coarse Sand & Clay
415	445	Brown Clay
445	490	Coarse Sand & Clay
490	550	Gravel & Clay
550	580	Gravel
580	610	Brown Clay

Work started 5-18 1978 Completed 5-31 1978

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
SIGNED Martin J. Maggiora (Well Driller)
NAME Maggiora Bros. Drilling, Inc. (Person, firm, or corporation) (Typed or printed)
Address 595 Airport Boulevard
City Watsonville, CA Zip 95076
License No. C-57-249957 Date of this report July 21, 1978

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

RT Blackie Rd. FC 1688 8

QUADRUPLICATE
Use to comply with local requirements

Notice of Intent No. W-3300 W-3899

Local Permit No. or Date

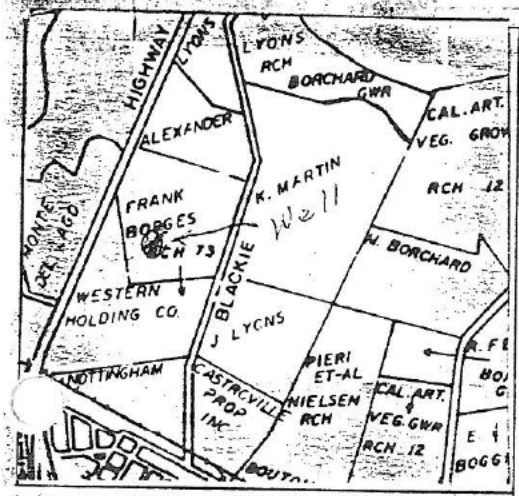
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in
No. 072267
State Well No. 13S/2E-27Q00
Other Well No.

(1) OWNER:
Name [redacted]
Address [redacted]
City [redacted] Zip 6T-940

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number W-3899
Well address if different from above Blackie Rd.
Township 13S Range 2E Section 27
Distance from cities, roads, railroads, fences, etc.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [ ]
Irrigation [X]
Industrial [ ]
Test Well [ ]
Stock [ ]
Municipal [ ]
Other [ ]

(5) EQUIPMENT:
Rotary [ ] Reverse [X]
Cable [ ] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [X] No [ ] Size pea gra.
Diameter of bore
Packed from to ft.

(7) CASING INSTALLED:
Steel [ ] Plastic [ ] Concrete [ ]

From ft.	To ft.	Dia. in.	Gage or Wall
0	591	16" OD	x.250

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
245-317		16 rows
328-386		x.125 mesh
416-591		x 5" millslot

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth ft.
Were strata sealed against pollution? Yes [ ] No [ ] Interval ft.
Method of sealing

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes [ ] No [ ] If yes, by whom?
Type of test Pump [ ] Bailer [ ] Air lift [ ]
Depth to water at start of test ft. At end of test ft
arge gal/min after hours Water temperature
nical analysis made? Yes [ ] No [ ] If yes, by whom?
Was electric log made? Yes [ ] No [ ] If yes, attach copy to this report

(12) WELL LOG:
Total depth 812 ft. Depth of completed well 591 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	7	black top soil
7	21	sand and sandy clay
21	42	gray sandy clay
42	62	gravel
62	170	yellow-gray sand
170	174	clay
174	185	sand
185	206	sand-sandy clay
206	218	clay
218	226	sand-fine gravel
226	245	clay
245	260	sand
260	264	clay
264	272	sand
272	278	clay
278	298	sand
298	306	clay
306	316	sand
316	332	clay
332	342	sand
342	344	clay
344	356	sand
356	372	clay
372	380	sand-gravel
380	418	clay
418	440	sand loose and free
440	500	clay
500	514	coarse sand
514	556	sticky clay
556	580	sand
580	654	clay blue and yellow
654	660	sand
660	770	brittle yellow-gray shale
770	792	sand and gravel
792	812	sticky clay

Work started 5-24 1983 Completed 5-31 1983

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)
NAME Eaton Drilling Co. Inc. (Person, firm, or corporation) (Typed or printed)
Address 20 W. Kentucky P. O. Box 975
City Woodland, Ca. Zip 95695
License No. 133783C57 Date of this report 5-31-1983

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Well No. 2-C-123

Depth	Material	Depth	Material
0- 1	Soil	280-288	Sand
1- 6	Hard-pan (clay)	288-292	Gravel (cut)
6- 20	Sediment	292-300	Sandstone
20- 45	Clay	300-320	Yellow clay
45-118	Sand	320-328	Gravel & lots of sand
118-244	Blue clay	328-351	Sand
244-256	Clay mixed with fine gravel	351-364	Gravel and sand
256-266	Tight gravel	364-423	Yellow clay
266-273	Fine gravel and sand	423-432	Seepage
273-280	Gravel (cut)	432-497	Yellow clay

145/2E-12Q1
2-C-123
FC 1707

WELL LOGS

Well No. 2-C-123 (Cont'd)

Depth	Material	Depth	Material
497-507	Gravel and clay	571-573	Gravel
507-516	Yellow clay	573-579	Gravelly clay
516-535	Gravel & clay	579-600	Gravel
535-559	Seepage	600-617	Very good gravel
559-568	Gravel	617-619	Clay
568-571	Yellow clay		

Well No. 2-C-141

Depth	Material	Depth	Material
0- 4	Top soil	90-116	Coarse gravel
4- 30	Yellow clay	116-126	Yellow clay
30- 37	Dry sand	126-176	Coarse gravel
37- 90	Yellow clay	176-178½	Yellow clay

Perforated 130-176

Well No. 2-C-144

Depth	Material	Depth	Material
0- 2	Top soil	246-275	Clay
2-130	Clay	275-280	Sand & gravel
130-150	Sandy clay	280-290	Gravel
150-172	Sand	290-303	Clay
172-196	Sand & clay	303-304	Seepage
196-219	Red sand	304-360	Clay
219-228	Clay	360-370	Gravelly clay
228-236	Clay & gravel	370-373	Gravel
236-241	Clay	373-402	Clay
241-246	Sandy clay		

Well No. 2-C-152

Depth	Material	Depth	Material
0- 2	Top soil	121-128	Gravel
2- 12	Sediment	128-141	Gravelly clay
12- 38	Sand	141-207	Gravel
38- 98	Blue clay	207-224	Sand
98-121	Gravel and sand		

Well No. 2-C-153d

Depth	Material	Depth	Material
0- 2	Top soil	161-168	Sand
2- 3	Clay	168-196	Gravel
3- 58	Sand	196-219	Blue clay
58- 67	Sandy clay	219-265	Gravel
67-115	Blue clay	265-274	Sand
115-124	Clay & gravel	274-279	Gravel
124-134	Sand	279-286	Sand & gravel
134-161	Gravel	286-304	Gravel

Perforated 290-304

Well No. 2-C-154 145/2E-23F1

Depth	Material	Depth	Material
1- 3	Top soil	130-132	Clay
3- 20	Sand	132-202	Gravel & sand
20- 54	Sandy clay	202-204	Sand stone
54-100	Blue clay	204-240	Blue clay
100-103	Yellow clay	240-292	Gravel & sand
103-113	White sand	292-310	Hard cemented gravel with clay
113-130	Sand & gravel		

FC 1708

13S/2E-32C1 1-B-17A
524
R
By Sewer Farm

WALKER DRILLING COMPANY
Salinas, California

October 17, 1949

Log of A. P. Overhonas water Well #3 Castroville

From	To	
0	2	Surface Soil
2	18	Sandy Yellow Clay
18	28	Sandy Blue Clay
28	57	Sandy Blue Clay
57	79	Sandy Blue Clay
79	102	Sandy Blue Clay
102	125	Coarse sand and gravel
125	147	Coarse sand and gravel
147	170	Coarse sand and gravel
170	193	Coarse gravel cobble stones
193	215	gravel
215	238	coarse gravel
238	301	Coarse gravel and blue clay
301	328	Coarse gravel & sand & streaks of yellow clay
328	351	Coarse gravel & sand & Streaks of yellow clay
351	373	Coarse gravel & sand & streaks of yellow clay
373	396	Coarse gravel & sand & streaks of yellow clay
396	418	Coarse gravel & sand & streaks of yellow clay
418	441	Coarse gravel & sand & streaks of yellow clay
441	464	Yellow clay and streaks of gravel
464	486	Yellow clay and streaks of gravel
486	509	Coarse gravel and thin streaks of blue clay
509	531	Coarse gravel
531	562	Coarse gravel and yellow clay

CASING DETAIL

301.84 feet of 16 inch by 5/16 inch blank casing cemented outside of casing with 275 sacks of cement also 250 feet of 10 inch by 1/4 inch perforated casing with cone on bottom joint perforations are 1/8 inch by 3 inch clean cut slots with 20 feet of blank 10 inch by 1/4 casing on top of perforated casing.

FC 1709

14/2-18 P-400 1/4

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In
№ 126555
State Well No. 14S/2E-18C
Other Well No.

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey Owner's number, if any
Township, Range, and Section
Distance from cities, roads, railroads, etc. Corner of Highway 1 and Lapis Road

(3) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:
Rotary [X]
Cable [ ]
Other [ ]

(6) CASING INSTALLED:
STEEL: OTHER:
SINGLE [ ] DOUBLE [ ]

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
±2	598	16"	¼	26	0	600

Size of shoe or well ring: Size of gravel: pea
Describe joint weld

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
330	598			1/8

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 320 ft.
Were any strata sealed against pollution? Yes [X] No [ ] If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing

(9) WATER LEVELS:
Depth at which water was first found, if known ft.
Standing level before perforating, if known ft.
Standing level after perforating and developing ft.

(10) WELL TESTS:
Was pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]
Was electric log made of well? Yes [ ] No [ ] If yes, attach copy

(11) WELL LOG:
Total depth 600 ft. Depth of completed well 600 ft.
Formation: *Describe by color, character, size of material, and structure*

Material	From	To
Top soil	0	2
Clay	2	12
Monterey sand	12	16
Coarse sand	16	41
Grayish clay(sticky)	41	46
Montery sand & gravel w/ 3/4" rock	46	77
Fine sand	77	81
Gravel & gray clay(sticky)	81	87
Monterey sand	87	89
Cemented sand	89	91
Sandy clay	91	97
Monterey sand&gravel	97	142
Brn. cemented sand	142	222
Brn. sandy clay w/gravel mixed	222	232
Brwn. sticky clay	232	238
Gray clay	238	243
Cemented sand	243	250
Brown sandy clay w/ gravel mixed	250	251
Sand & gravel	251	254
Gray sandy clay	254	261
Blue sandy clay	261	276
Brown sandy clay	276	281
Yellow sticky clay	281	296
Sand & gravel	296	316
Yellow clay	316	321
Gray clay (sticky, slow)	321	330
Sand & gravel	330	339
Gravel, hard gray clay mixed	339	342
Sand & gravel	342	436
Cemented sand	436	474
Gray sandy clay w/gravel mixed	474	486
Brown sticky clay	486	493
Yellow clay	493	505

Work started 10-18 19 76. Completed 10-22 19 76

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ben Barrow Co. Inc
(Person, firm, or corporation) (Typed or printed)
Address P.O. Box [illegible]
Woodland, CA
[SIGNED] A. B. Barrow
(Well Driller)
License No. Dated 10/27, 1976

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68) 67139-750 8-72 30M TRIP OSP

14S/2E-6J3 1-C-11A
509
Rep

WALKER DRILLING COMPANY

June 3, 1948

FC 1710

Log of Mary Helen Martin Well #1

From	To	
0	3	Surface Soil
3	10	Sandy Yellow Clay
10	28	Yellow clay
28	40	Sandy Blue Clay
40	62	Sand & Blue Clay
62	85	Blue Clay and Streaks of Sand
85	105	Blue Clay and Streaks of Sand
105	126	Blue Clay and Streaks of Sand
126	147	Blue Clay and Streaks of Sand
147	168	Blue Clay and Streaks of Sand
168	189	Blue Clay and Streaks of Sand
189	210	Sand
210	231	Coarse gravel & sand & streaks of Yellow Clay
231	251	Coarse gravel & sand & streaks of Yellow Clay
251	272	Coarse gravel & sand & streaks of Yellow Clay
272	293	Coarse gravel & sand & streaks of Yellow Clay
293	313	Coarse gravel & sand & streaks of Yellow Clay
313	334	Coarse gravel & sand & streaks of Yellow Clay
334	355	Coarse sand & streaks of Blue Clay
355	376	Coarse sand & streaks of Yellow Clay
376	398	Coarse Gravel & Sand
398	419	Coarse gravel & Sand
419	441	Coarse gravel & Sand
441	464	Coarse Gravel & Sand & streaks of Yellow Clay
464	485	Coarse Gravel & Sand & Streaks of Yellow Clay
485	506	Coarse gravel & Red Sand
506	526	Coarse gravel & Red Sand
526	550	Coarse gravel & red Sand & streaks of Blue Clay

Casing detail
354.44' of 3/16 x 16 Blank Casing
Cemented outside with 250 sks. of construction cement.
201 ft. of 8 gauge & 10" hard rod perforated casing with
cement on bottom perforations arel/8" x 3" clean cut slots
21' of 8 guage & 10" blank casing with 15 1/2 in. funnel
on top.

WALKER DRILLING COMPANY

By_____

FC 1720

ORIGINAL
The Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No.
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
No 100894
State Well No. 13S/2E-27P1
Other Well No.

OWNER:
[redacted]

(2) LOCATION OF WELL:
County Monterey Owner's number, if any—
R. F. D. or Street No. One mile east of Castroville on Blackie Road

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☐ DOUBLE ☒
From 0 ft. to 606 ft. 12 Diam. 12 Gage or Wall

Type and size of shoe or well ring
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:
Type of perforator used Factory chisel slot perforations
Size of perforations in., length, by in.
From 412 ft. to 572 ft. Perf. per row Rows per ft.

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata
From ft. to ft.
Method of Sealing

(9) WATER LEVELS:
Depth at which water was first found 62 ft.
Standing level before perforating ft.
Standing level after perforating 95 ft.

WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:
Total depth 606 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material, and structure.

0	ft. to	3	ft. soil
3	"	38	" yellow clay
38	"	54½	" sandy yellow clay
54	"	65	" blue clay
65	"	94	" sandy yellow clay
94	"	158	" brown sand
158	"	270	" brown and yellow sandy clay
270	"	282	" brown sand
282	"	310	" brown clay with sandy streaks
310	"	402	" yellow clay
402	"	406	" blue clay
406	"	412	" yellow clay
412	"	426	" yellow clay with sand and gravel
426	"	438	" yellow clay
438	"	478	" sandy brown clay
478	"	524	" brown clay
524	"	568	" sandy brown clay
568	"	606	" brown clay

CONFIDENTIAL
Water Code Sec. 13752

Work started July 17 1969 Completed Aug. 7 1969

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (Typed or printed)
Address P. O. Box 1147
Salinas California 93901
[SIGNED] Raymond Alsop
Well Driller
License No. 120768 Dated Aug. 8, 69

67649 5-63 25M QUIN ① △ SPO

DWR 188 (REV. 3-

FC 1849

14/2-

145/2E-9H1

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No.____
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. 87398
State Well No.____
Other Well No.____

(1) OWNER:
Name [redacted]
Address [redacted]

(2) LOCATION OF WELL:
County Monterey Owner's number, if any—
R. F. D. or Street No. In Castroville - Off Salinas-Castroville Highway.

(3) TYPE OF WORK (*check*):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☐ DOUBLE ☒

From ft.	to ft.	Diam.	Gage or Wall
0	56	18"	#12
0	308	16"	#10
0	512	12"	#12

Type and size of shoe or well ring
Describe joint Weld

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:
Type of perforator used Mills
Size of perforations 1/4" in., length, by 1 1/4" in.

From ft.	to ft.		Perf. per row	Rows per ft.
418	424	6'	8	1
430	448		8	1
470	487		8	1

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 56 ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata
From 0 ft. to 56 ft.
Method of Sealing

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating 19 ft.

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(11) WELL LOG:
Total depth ft. Depth of completed well 512 ft.
Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	
0	2	Top soil
2	16	Yellow sandy clay
16	68	Blue clay
68	92	Sandy blue clay (hard)
92	144	Hard blue clay
144	163	Packed sandy blue clay
163	179	Fine sand & packed gravel
179	211	Heavy gravel & some sand
211	228	Hard yellow clay
228	279	Dry yellow clay & some grave
279	287	Sandy yellow clay
287	312	Hard yellow clay
312	317	Hard rocky clay
317	347	Yellow clay
347	365	Gravely yellow clay
365	375	Fine gravely yellow clay
375	378	Sand & tight gravel
378	395	Fine sand, clay & gravel
395	401	Fine gravel & sand
401	416	Fine sandy clay
416	424	Sand & gravel
424	429	Yellow clay & some gravel
429	448	Gravel & clay
448	468	Yellow clay & some fine gra
468	487	Tight gravel & clay
487	512	Yellow clay

Work started 19 , Completed Dec. 24 19 73

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ROY V. ALSOP & SON
(Person, firm, or corporation) (*Typed or printed*)
Address 1508 Abbott St.
Salinas, California 93901

[SIGNED] Roy V. Alsop
(Well Driller)
License No. 132870 Dated October 10, 19__

Field off 455-1979 George 424-9739

13/2

FC 1851

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In
No 81003
State Well No. 14S/2E-3M2
Other Well No.

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey Owner's number, if any
Township, Range, and Section 1 1/2 miles east of Castroville
Distance from cities, roads, railroads, etc.: on Tanimura Ranch
one and 1/2 miles east of Castroville

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☐
Other ☐

(6) CASING INSTALLED:
STEEL: OTHER:
SINGLE ☐ DOUBLE ☒

From ft.	To ft.	Diam.	Gage or Wall
0	590	12	12

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring: 3/4x8x12
Size of gravel:
Describe joint Welded

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen Mills

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
400	570			

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 248 ft.
Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing

(9) WATER LEVELS:
Depth at which water was first found, if known ft. 15
Standing level before perforating, if known ft. 15
Standing level after perforating and developing ft.

(10) WELL TESTS:
Was pump test made? Yes ☐ No ☐ If yes, by whom?
600 gal./min. with 95 ft. drawdown after 8 hrs.
Temperature of water Was a chemical analysis made? Yes ☐ No ☐
Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:
Total depth 587 ft. Depth of completed well ft.
Formation: *Describe by color, character, size of material, and structure*

ft. to	ft.	Formation
0	3	soil
3	21	brown clay
21	52	blue clay
52	68	brown clay
68	158	blue clay
158	183	sand and gravel, rocks to 5"
183	270	hard yellow clay
270	278	sandy yellow clay
278	306	yellow clay
306	312	sand and gravel
312	390	yellow clay
390	446	sandy yellow clay streaked with small amount of fine gravel
446	466	sand and fine gravel
466	473	sandy yellow clay
473	482	sand and gravel, rocks to 4"
482	494	brown clay
494	506	sandy yellow clay
506	510	sand and fine gravel
510	550	yellow clay
550	580	soft yellow clay streaked with sand and fine gravel
580	587	yellow clay

Work started Feb. 6 19 75 , Completed March 6 19 75

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (*Typed or printed*)
Address P.O. Box 1147
Salinas, Ca. 93901
[SIGNED] Raymond Alsop
(Well Driller)
License No. 120768 Dated March 7, 1975

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

25179-950 9-68 50M TRP

FC 1855

14S/02E-28J5

P-180' & P-400'

P.O. BOX 178
38 ABBOTT ST.

TELEPHONE
408 424-3946

ROY V. ALSOP & SON, INC.

SINCE 1873
Well Drilling

FAIRBANKS PUMPS AND PRESSURE SYSTEMS MORSE

INDUSTRIAL PUMPS

SALES AND SERVICE

SALINAS, CALIFORNIA 93902

WELL LOG

for

Tanimura Bros.

April 15, 1988

0 - 8	Soil
8 - 26	Sandy brown clay
26 - 141	Blue clay
141 - 150	Sand & gravel rocks to 2"
150 - 182	Sand & gravel rocks to 5"
182 - 205	Blue clay
205 - 238	Sand
238 - 264	Yellow clay
264 - 285	Cemented gravel
285 - 293	Sand & gravel rocks to 2"
293 - 300	Sand
300 - 340	Yellow clay
340 - 370	Blue clay
370 - 380	Yellow clay with sand and fine gravel
380 - 412	Yellow clay
412 - 420	Yellow clay, small amount of gravel
420 - 436	Yellow clay
436 - 444	Yellow clay small amount of water
444 - 450	Yellow clay
450 - 482	Brown lumpy sand and clay
482 - 486	Rocks
486 - 492	Brown sand
492 - 510	Hard brown clay

16" 10 ga. Double casing 510' deep.
20" 10 ga. Single sanitary seal 52' deep
Water level first 20',
Perforations from 40'.

Perf. 264-293
370-380
412-420
436-444
450-482

FC 1861
14S/02E-27G03

14S/2E-2163 14/2E/27B

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT 33

Do Not Fill In
No 75222
State Well No. 14/2E-27B
Other Well No.

ORIGINAL
File with DWR

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey Owner's number, if any
Township, Range, and Section Blanco Area, Cooper Road
Distance from cities, roads, railroads, etc. 5 miles west of Salinas on Tanimura farm

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Other ☐

(6) CASING INSTALLED:
STEEL: OTHER:
SINGLE ☐ DOUBLE ☒

From ft.	To ft.	Diam.	Gage or Wall
0	495	16	10

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring: 7/8x10x16 Size of gravel:
Describe joint welded

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen Mills

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
276	320			
362	368			

(8) CONSTRUCTION: 60
Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth ft.
Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing

(9) WATER LEVELS:
Depth at which water was first found, if known ft. 3
Standing level before perforating, if known ft. 31
Standing level after perforating and developing ft. 33

(10) WELL TESTS:
Was pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes ☐ No ☐
Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:
Total depth 495 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material, and structure

ft. to	ft.	Formation
0	3	soil
3	34	sandy yellow clay
34	130	blue clay
130	141	sand
141	149	sand and gravel
149	157	sand
157	165	sand and gravel, rocks to 3"
165	173	sand and fine gravel with yellow clay
173	242	sand and gravel, rocks to 3"
242	272	sand
272	320	sand and gravel, rocks to 3"
320	327	yellow clay
327	341	blue clay
341	345	blue clay streaked with sand and fine gravel
345	358	sand and yellow clay with fine gravel
358	368	sand and gravel
368	372	yellow clay
372	378	sand
378	389	sand and gravel, mostly sand
389	408	sand
408	414	yellow clay
414	440	muddy sand
440	493	yellow sandy clay
493	495	sand and gravel, considerable sand

CONFIDENTIAL
Water Code Sec. 13752

Work started April 2 19 73 Completed April 18 19 73

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alson (Person, firm, or corporation) (Typed or printed)
Address P.O. Box 1147
Salinas, Ca. 93901

[SIGNED] Raymond Alson (Well Driller)

License No. 120768 Dated April 18, 1973

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

IR

25179-950 9-68 50M TRIP

FC1958

14s/2E-16C51

Dia. 12" Gravel packed Well

October 17, 1967

Log of Well
for
Bud Antle, Inc.
Nashua Road
Weare NH

0 ft.	-	3 ft.	Top soil
3	-	20	Muck & sand
20	-	48	Blue mucky clay
48	-	84	Blue mucky clay, sea shells & blue clay
84	-	117	Blue clay
117	-	139	Blue clay, sand streaks
139	-	162	Sand & gravel
162	-	184	Sand, gravel & boulders
184	-	207	Sand, gravel, boulders & streaks of sandy clay
207	-	229	Sand, gravel, red & brown sandy clay
229	-	252	Sand, red sandy clay
252	-	274	Red sandy clay, yellow clay
274	-	297	Yellow clay, white sandy clay
297	-	319	White sandy clay, blue - yellow clay
319	-	342	Yellow clay
342	-	364	Yellow clay, sand & gravel
364	-	418	Streaks of yellow clay, sand & gravel
418	-	463	Sand & streaks oy yellow clay
463	-	521	Sand & gravel
521	-	566	Sand, gravel& streaks of sandy yellow clay
566	-	611	Sand, gravel& streaks of white sandy clay.

Completed Well 602' Deep

Factory Perforated 350 ft. to 602 ft.

Cement sealed to 300 ft.

FC 1965 14S/2E-22L01

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 384609

Notice of Intent No. _____

Local Permit No. or Date W5959 (Bud of California)

State Well No. 14S/2E-22L01

Other Well No. 5783

(1) OWNER: Name [redacted]

Address [redacted]

City [redacted] ZIP [redacted]

(2) LOCATION OF WELL (See instructions):

County Monterey Owner's Well Number _____

Well address if different from above APN 135-131-06

Township 14S Range 2E Section 22

Distance from cities, roads, railroads, fences, etc. 200' w of intersection of Cooper Rd and Nashua Rd. Schween Cooper Ranch, Castroville

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Municipal ☐
Other ☐
(Describe)

(5) EQUIPMENT:
Rotary ☐ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size 0-100 Pea Gravel
Diameter of bore 100-700 28"
Packed from 400 ft. to 700 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0 - 680	16"	O.D.	.312
collared			
0-100	30"	o.d.	5/16 conductor-collared

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
420 - 460		1/8x2½
480 - 530		millslot
580 - 680		

(9) WELL SEAL: cemented:7 sack cemented/sand slurry
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 400 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.
Method of sealing Halliburton Cement

(10) WATER LEVELS:
Depth of first water, if known _____ ft.
Standing level after well completion _____ ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom? _____
Type of test Pump ☐ Baller ☐ Air lift ☐
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge _____ gal/min after _____ hours Water temperature _____
Chemical analysis made? Yes ☐ No ☐ If yes, by whom? _____
Was electric log made Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 700 ft. Completed depth 680 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	100	Clay
100	120	Sand Clay
120	167	Clay
167	182	Sand
182	235	Sand Clay
235	250	Sand
250	390	Sand
390	410	Blue Clay
410	450	Sand Monterey Good
450	475	Clay Brown
475	545	Good Sand Monterey
545	580	Clay Sand Hard
580	680	Good Clean Gravel Sand

Work started 11-15 1990 Completed 12-20 1990

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed _____ (Well Driller)

NAME Eaton Drilling co., Inc.
(Person, firm, or corporation) (Typed or printed)

Address 20 W Kentucky, P.O. Box 975

City Woodland, CA ZIP 95695

License No. 133783C57 Date of this report 1-29-91

VOID IN LIEU PUBLIC USE NOT FOR WATER CODE SEC. 13752

DWR 188 (REV. 12-86) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 86 9635

ORIGINAL
File with DWR

13/02-34

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

FC 2294

DWR USE ONLY — DO NOT FILL IN
1 3 S 0 2 E - 3 4 J 5 0
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Page 1 of 2
Owner's Well No. ____
No. 410968
Date Work Began 4/25/93 (4), Ended 4/30/93
Local Permit Agency Monterey County Dept. of HEALTH
Permit No. WSAL 93-0041 Permit Date 4/15/93

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	3	top soil
3	7	brown clay
7	16	blue clay
16	40	decomposed granite
40	122	Aromas sand
122	127	gray clay
127	145	brown clay
145	151	sand
151	188	blue clay
188	196	gravel
196	211	brown clay
211	217	gravel
217	220	clay
220	235	gray clay
235	240	Aromas sand, clay
240	255	brown clay, streaked sandstone
255	270	gray clay
270	276	clay
276	279	gravel
279	290	brown clay
290	297	sand & gravel
297	305	brown clay
305	312	gravel
312	330	brown clay streaked sandstone
330	347	green clay
347	353	brown clay
353	367	gravel
367	372	sand
372	378	gravel
378	389	clay & gravel

TOTAL DEPTH OF BORING 461 (Feet)
TOTAL DEPTH OF COMPLETED WELL 450 (Feet)

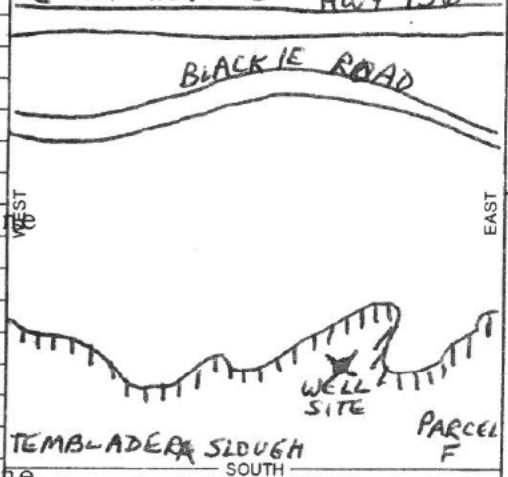
OWNER

Name [redacted]
Mailing Address [redacted]
CITY [redacted] STATE [redacted] ZIP

WELL LOCATION

Address Blackie Rd.
City Castroville
County Monterey
APN Book 133 Page 412 Parcel 007-000
or Township ___ Range ___ Section ___
or Latitude ___ DEG. MIN. SEC. NORTH Longitude ___ DEG. MIN. SEC. WEST

LOCATION SKETCH



Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
___ Domestic
___ Public
XX Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD Reverse Rotary FLUID Mud

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL Refer to Industrial (Ft.) & DATE MEASURED ___
ESTIMATED YIELD* Pump (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	240	25	x				Copper	14	1/4	
240	450	25		x			Bearing	14	1/4	3/32

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	230	x			
230	450			x	#6 sand

ATTACHMENTS (✓)

X Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME L.E. Melville & Son, Inc. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 96 PLum Tree Dr. CITY Hollister, STATE Cal. ZIP 95023
Signed James C Melville (WELL DRILLER/AUTHORIZED REPRESENTATIVE) DATE SIGNED 11/1/93 C-57 LICENSE NUMBER 675586

DWR 188 REV. 7-90 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 2307 400 AQUIFER

(RIGINAL F with DWR 14/02-22

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Page 1 of 2

Owner's Well No. 6043

No. 412069

Date Work Began 12/03/91, Ended 12/12/91

Local Permit Agency MONTEREY CO HEALTH DEPT

Permit No. 16103 Permit Date 10/31/91

DWR USE ONLY — DO NOT FILL IN
14S02E-22B01
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	80	CONDUCTOR PIPE
80	132	BROWN MUSHY CLAY
132	264	MONTEREY SAND & COBBLE
264	308	BROWN SANDY CLAY
308	352	MONTEREY SAND & CLAY STREAKS
352	374	MONTEREY SAND
374	396	GRAVEL
396	418	BROWN CLAY
418	529	SAND
529	572	GRAVEL
572	594	GRAVEL & CLAY MIX
594	638	CLAY & GRAVEL MIX
638	704	GRAVEL & SAND
704	726	LIGHT BROWN CLAY

TOTAL DEPTH OF BORING 680 (Feet)

TOTAL DEPTH OF COMPLETED WELL 670 (Feet)

Name [redacted]

Mailing Address [redacted]

CITY [redacted] STATE [redacted] ZIP

WELL LOCATION

Address N OF COOPE 1/2 MI E NASHUA

City ROAD

County MONTEREY

APN Book 135 Page 131 Parcel 04

or Township 14 S Range 2 E Section 22

or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WES

LOCATION SKETCH

NORTH

WEST EAST

SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL

MODIFICATION/REPAIR

___ Deepen

___ Other (Specify)

___ DESTROY *(Describe Procedures and Material Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING

WATER SUPPLY

___ Domestic

___ Public

X Irrigation

___ Industrial

___ "TEST WELL"

___ CATHODIC PROTECTION

___ OTHER (Specify)

DRILLING METHOD REVERSE FLUID WATER

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___

ESTIMATED YIELD* ___ (GPM) & TEST TYPE ___

TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)

* *May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	80	42"						30"	5/16	0
0	80	42"	X				ASTM-135	16"	.312	
80	410	28"	X				ASTM-135	16"	.312	
410	440	28"		X			ASTM-135	16"	.312	1/8X2-1/2
440	450	28"	X				ASTM-135	16"	.312	
450	540	28"		X			ASTM-135	16"	.312	1/8X2-1/2

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	385	X			SAND SLURRY
385	680			X	PEA GRAVEL

ATTACHMENTS (✓)

___ Geologic Log

___ Well Construction Diagram

___ Geophysical Log(s) ✓

___ Soil/Water Chemical Analyses

___ Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME EATON DRILLING COMPANY, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 20 W. Kentucky Ave. CITY Woodland STATE CA ZIP 95695

Signed [signature] WELL DRILLER/AUTHORIZED REPRESENTATIVE

DATE SIGNED 02/14/92

C-57 LICENSE 133783C57

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 2419

changed 6/4/01 M.S.

14S/02E-09N02

DUPLICATE
Driller's Copy
Page 1 of 1
Owner's Well No. _____
Date Work Began 6-7-95, Ended 8-2-95
Local Permit Agency MTY CO HEALTH DEPT
Permit No. WSAL 95-137 Permit Date 6-8-95

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 457873

DWR USE ONLY — DO NOT FILL IN
14S/02E-09N50
STATE WELL NO./STATION NO.
14S/02E - 09N02
LATITUDE LONGITUDE
14S/02E-09N50
APN/TRS/OTHER
PRESSURE - 400

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	6	Top soil
6	24	Yellow sand
24	40	Blue sand
40	82	Blue clay
82	86	Blue clay & sandstone
86	122	Blue clay
122	130	Sandy blue clay
130	150	Blue sand
150	224	Sand & gravel (1" to 4" rock)
224	240	Red sandstone
240	248	Red sandstone & some gravel
248	252	White with red sandstone
252	262	Sandy yellow clay
262	268	Sandy fine gravel (pea size)
268	334	Yellow clay
334	344	Sand & gravel (pea size)
344	408	Yellow clay, streaks of sand
408	426	Sand & gravel (2" to 4" rock)
426	472	Hard yellow clay
472	494	Sand & gravel (1" to 2" rock)
494	528	Red sand & sandstone
528	529	White sandstone
529	546	Red sand
546	550	Yellow clay
550	568	Blue clay
568	574	Sand & gravel (1" to 3" rock)
574	586	Yellow clay
586	592	Sand & gravel (1" to 3" rock)
592	602	Yellow gravelly clay
602	622	Sand & gravel (pea to 2")
622	636	Yellow gravelly clay

TOTAL DEPTH OF BORING ___ (Feet)
TOTAL DEPTH OF COMPLETED WELL 636 (Feet)

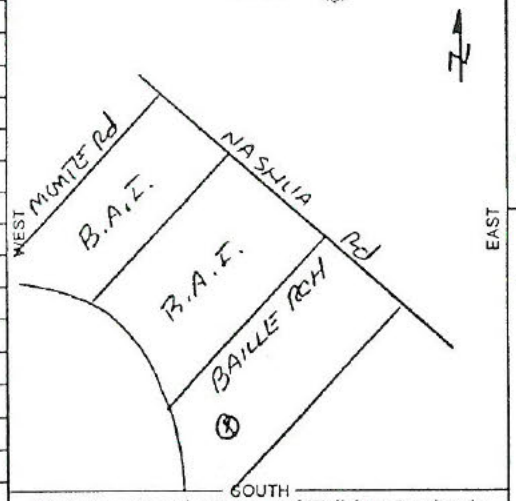
WELL OWNER

Name [redacted]
Mailing Address [redacted]
CITY [redacted] STATE ZIP

WELL LOCATION

Address Nashua Road
City
County Monterey County
APN Book 135 Page 101 Parcel 83
or Township ___ Range ___ Section ___
or Latitude ___ DEG. MIN. SEC. NORTH Longitude ___ DEG. MIN. SEC. WEST

LOCATION SKETCH



Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

✓ NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
___ Domestic
___ Public
✓ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD CABLE TOOL FLUID WATER

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL 67 (Ft.) & DATE MEASURED 8/12/95
ESTIMATED YIELD * 33 (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	52	24"			X		10 GA single			
0	249	20"			X		10 BA double			
0	636	16"	X				10/18 GA double			
408-426; 574-568; 602-622							PERFORATED		9/32 x 3½	

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	52	X			
0	249	X			

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Ray Alsop Pump & Drilling, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 1508 Abbott St. CITY Salinas, STATE CA ZIP 93901
Signed _____ WELL DRILLER/AUTHORIZED REPRESENTATIVE
DATE SIGNED 10/7/95
C-57 LICENSE NUMBER 569945

FC 2430

CAVGC/MRRP

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

900'A.

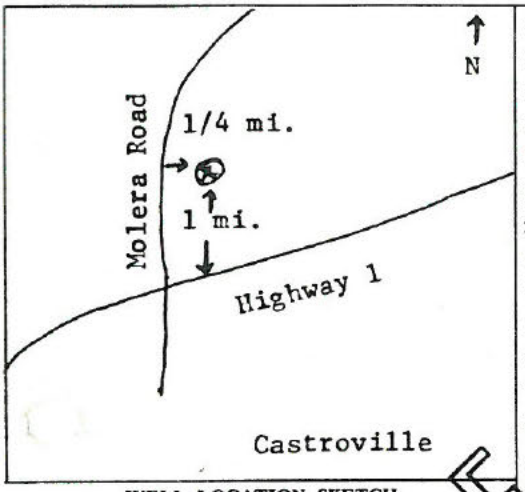
Do not fill in
No. 225551

Notice of Intent No.
Permit No. or Date

State Well No. 13S/2E-32M2
Other Well No.

(1) OWNER:
Name [redacted]
Address [redacted]
City [redacted] Zip [redacted]

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size 8 x 16
Diameter of bore 24"
Packed from 790 to 1630 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	400	16	5/16
400	780	12	"
1590	1610	12	"

(8) PERFORATIONS:
Type of perforation or size of screen .060 Slot Flow

From ft.	To ft.	Slot size
780	1590	.060

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 780' ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval ft.
Method of sealing cement grout

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion 19' ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
[illegible] to water at start of test 19 ft. At end of test 190 ft
[illegible] 2260 gal/min after 3 hours Water temperature
[illegible] analysis made? Yes ☐ No ☒ If yes, by whom?
[illegible] electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG:
Total depth ft. Depth of completed well ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	75	Blue
75	90	Sand & gravel
90	115	Blue Clay
115	120	Sand
120	124	Wood
124	145	Sand & gravel
145	154	Blue clay
154	211	Sand & gravel & boulders
211	260	Clay -- brown, hard
260	289	Brown sandy clay
289	295	Cemented cobbles & sand
295	308	Sticky tan & gray clay
308	321	Sandy brown clay with some gravel
321	337	Blue clay & shale, some br. clay
337	342	Cemented sand & gravel
342	350	Brown sandy clay
350	362	Brown sticky clay
362	405	Brown sandy clay
405	430	Coarse sand
430	441	Sticky gray clay
441	540	Sand & gravel, streaks white clay
540	570	Clay & small gravel
570	620	Coarse sand
620	665	Reddish brown sandy clay
665	740	Tan & gray sticky clay
740	760	Blue clay
760	765	Sticky gray clay
765	780	Tan clay
780	800	Sand & gravel
800	847	Tan clay
847	962	Blue clay
962	980	Sand & gravel
980	-1020	Blue clay
1020	-1050	Streaks of sand, gravel & bl. clay
1050	-1068	Sand & gravel
1068	-1102	Blue clay
1102	-1150	Hard cemented sand & gravel
1150	-1160	Blue sandy clay

Work started 19 Completed 19

DO NOT PUBLISH
WATER CODE 13752

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED [signature] (Well Driller)

NAME Cofferdam Unwatering Corporation (Person, firm, or corporation) (Typed or printed)
Address 3362 Fitzgerald Road
City Rancho Cordova, California Zip 95670
License No. 292555 Date of this report 12-5-84

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 2431

13S/2E-29 J1

WALKER DRILLING CO.

WATER WELL DRILLING

MODERN ROTARY EQUIPMENT

F. W. WALKER
RES. PHONE HARRISON 4-4693 61 RIKER STREET
SALINAS, CALIFORNIA

Specializing In
GRAVEL PACKING AND
SALT WATER SHUTOFFS

May 21, 1957

Log of Borelli Water well #1

From	To	
0	3	Surface soil
3	30	Sandy yellow clay and sand
30	51	Sand and streaks of clay
51	95	" " " " "
95	140	Coarse gravel, sand and streaks of yellow clay
140	185	Red sand
185	208	Coarse gravel and sand
208	230	Coarse gravel, sand and streaks of yellow clay
230	253	" " " " " " " "
253	321	Coarse gravel
321	343	Coarse gravel and blue clay
343	389	White clay, coarse sand and gravel
389	411	" " " " " " , hard shells
411	468	Blue clay, yellow clay and sand
468	536	Coarse sand, gravel
536	600	Coarse sand, gravel, sandy yellow clay

CASING DETAIL

340 feet of 14" X 3/16" blank casing cemented outside with 465 sacks of cement. 240' of 10" X1/4" perforated casing. Perforations are 3/32" X1" horizontal slots. 20' of 10" by 1/4" of blank casing lapped up inside 14" twelve feet. Total depth of well 600 feet.

340 blank 14"
8' " 10" (20-12' lap)
348 blank
240 perf casing
588

perf = 348 - 588'

P-400

13S/2E-21N1 1-B-81
R

WALKER DRILLING COMPANY

April 12, 1950

Log of California Vegetable and Artichoke Growers Assoc.
Castroville, California

Water Well Number 1

From	To	
0	1	Surface Oil
1	45	Sandy yellow clay and chalk rock
45	67	Streaks of clay and sand
67	90	Sand
90	113	Course sand and gravel
113	135	Course gravel
135	158	Course gravel and cobble stones
158	181	Course gravel and sand streaks of blue clay
181	203	Course gravel
203	226	Sandy yellow clay and streaks of sand
226	249	Course gravel and sand
249	272	Yellow sandy clay course gravel
272	294	Yellow clay streaks of course sand
294	317	Yellow clay streaks of course sand
317	339	Blue clay streaks of yellow sand
339	362	Yellow clay and streaks of course sand
362	384	Course gravel and sand thin streaks of yellow clay
384	407	Course gravel and sand streaks of yellow clay
407	429	Course gravel and streaks of blue clay
429	451	Course gravel and sand
451	474	Course gravel and sand
474	496	Yellow sandy clay and streaks of blue, clay
496	519	Course gravel and sand
519	535	Course gravel and sand
535	550	Yellow sandy clay and sand

CASING DETAIL

Three hundred and fifty one feet of 16 inch by 3/16 inch blank casing. Cemented outside of casing with 300 sacks of cement. 201.88 feet of 10 inch by 1/4 inch perforated casing; perforations are 1/8 inch by 3 inch clean cut slots. 18 feet of blank ten inch by 1/4 inch blank casing on top of perforated casing; bottom joint has cone on bottom of perforated casing.

WALKER DRILLING COMPANY

By_____

TRIPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

FC 2434

Do Not Fill In

No. 61625

State Well No. 13S/2E-28B1

Other Well No. 1-B-105

(1) OWNER:

Name [redacted]

Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any— 1

R. F. D. or Street No.

2000' N of State 156, 300' W of S.P. tracks in T 13S, R 2E, M.D.

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒

Cable ☐

Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

					Gage or Wall
From	0 ft. to	80 ft.	30 Diam.	5/16	
"	0 "	660 "	12 "	1/4	"
"	"	"	"		"
"	"	"	"		"
"	"	"	"		"
"	"	"	"		"

Type and size of shoe or well ring None

Describe joint Butt weld

If gravel packed

Diameter of Bore	from ft.	to ft.
36"	0 "	80 "
26"	80 "	660 "
	"	"
	"	"
	"	"

Size of gravel: 1/8 x 3/8

(7) PERFORATIONS:

Type of perforator used factory milled

Size of perforations 2½ in., length, by 1/8 in.

From	123 ft. to 143	ft. 8	Perf. per row 3		Rows per ft.
"	163 " 203	" 454' to 522'	"		" " "
"	252 " 292	" 554 572	"		" " "
"	312 " 349	" 604 640	"		" " "
"	381 " 418	"	" " "		" " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 80 ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From ft. to ft.

" "

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found Not available ft.

Standing level before perforating " " ft.

Standing level after perforating " " ft.

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Driller

Yield: 1100 gal./min. with 60 ft. draw down after 76 hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☒ Yes ☐ No

(11) WELL LOG:

Total depth 660 ft. Depth of completed well 660 ft.

Formation: *Describe by color, character, size of material, and structure.*

0	ft. to 6	ft.	Adobe
6	" 14	"	Yellow Sandy Clay
14	" 36	"	Light Sand
36	" 41	"	Coarse Sand
41	" 50	"	Blue Clay
50	" 68	"	Blue Clay, some Sand
68	" 92	"	Blue Sandy Clay (Hard)
92	" 108	"	Gravel (Fine)
108	" 136	"	Brown Sandy Clay, Gas
136	" 154	"	Brown Sandy Clay (Hard)
154	" 163	"	Sand
163	" 170	"	Light Sand & Gas
170	" 183	"	Light Sand (Hard)
183	" 195	"	Coarse Sand (Loose)
195	" 214	"	Cemented Sand & Clay
214	" 224	"	Sand (Fine)
224	" 233	"	Brown Sandy Clay
233	" 248	"	Coarse Sand
248	" 258	"	Sandy Clay
258	" 265	"	Coarse Sand
265	" 290	"	Sandy Clay (Rough)
290	" 304	"	Sand (Fine)
304	" 316	"	Sandy Clay
316	" 330	"	Light Sand
330	" 358	"	Coarse Sand (Hard Streaks)
358	" 378	"	Sand, some Clay
378	" 387	"	Sand (Rough)
387	" 411	"	Coarse Sand (Shale Streaks)
411	" 430	"	Light Sand
430	" 450	"	Sand, some Clay
450	" 480	"	Cemented Sand, some Clay
480	" 500	"	Sandy Clay & Gas
500	" 523	"	Red Sandy Clay (Hard Streaks)
523	" 546	"	Coarse Sand (Hard Streaks)
546	" 569	"	Coarse Sand (Cemented)
569	" 598	"	Coarse Sand (Strks. Bl.Shale)
598	" 610	"	Blue Clay (Sand Streaks)
610	" 622	"	Coarse Sand (Tight)
622	" 637	"	White Clay
637	" 651	"	Cemented Sand & Blue Shale
651	" 660	"	Cemented Sand (Hard)
	"	"	
	"	"	

Work started Oct. 25 19 60. Completed Dec. 6 19 60

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WESTERN WELL DRILLING CO., LTD.
(Person, firm, or corporation) (*Typed or printed*)

Address P. O. Box 47

San Jose 3, Calif.

[SIGNED] [signature]
Well Driller

License No. 25182 Dated Feb. 7, 19 61

57025 6-57 80M QUIN △ SPO

DWR 188 (REV. 3-54)

139

CONFIDENTIAL Section 7076 Water Code

RECEIVED

JUN ... 1977

Monterey County FC & WCD

DUPLICATE
Retain this copy

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

FC 2435

Do Not Fill In

Nº 97974 33

269 State Well No. 13S/2E-28H
Other Well No.

50

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Monterey
Township, Range, and Section NE CASTROVILLE 1/2 MI.
Distance from cities, roads, railroads PER BOUTONNET

(3) TYPE OF WORK (check):
New Well X Deepening ☐ Reconditioning ☐ Destroying ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation X Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary X
Cable ☐
Other ☐

(6) CASING INSTALLED:
STEEL SINGLE X DOUBLE ☐ OTHER:

If gravel packed

From ft.	To ft.	Dia.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	655	16"	¼"	26"	0	655

Size of gravel: Pea

Type of shoe or well ring: Collar & welded

(7) PERFORATIONS OR SCREEN:

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
193	553			1/8
613	643			1/8

(8) CONSTRUCTION:
X
X

(9) WATER LEVELS:

(10) WELL TESTS:

E-log Yes X

(11) WELL LOG:
Total depth 750 ft. Depth of completed well 655 ft.

From ft.		To ft.	Formation
0	-	13	Top soil
13	-	37	Sand & clay
37	-	49	Sand & stone
49	-	98	Coarse sand & small rock
98	-	163	Sandy clay
163	-	166	Fine sand & gravel
166	-	191	Clay w/streaks of sand
191	-	196	Sandy clay
196	-	207	Yellow clay
207	-	211	Coarse snady& gravel
211	-	233	Sandy clay
233	-	287	Red sandy clay
287	-	310	Soft yellow clay
310	-	340	Sandy clay
340	-	389	Coarse sandy & clay
389	-	391	Soft sticky gray clay
391	-	426	Blue clay s/sandy yellow clay
426	-	487	Coarse sand
487	-	489	Rock
489	-	490	Sand
490	-	494	Rock
494	-	498	Gray clay & shale
498	-	514	Gray sandy clay
514	-	529	Coarse snady & gravel
529	-	543	Soft gray clay
543	-	546	Coarse sandy & clay
546	-	560	Soft gray clay
560	-	618	Sandy gray clay
618	-	624	Yellow
624	-	638	Coarse sand & gravel
638	-	665	Yellow sandy clay
665	-	670	Shale & clay
670	-	716	Yellow sandy clay
716	-	750	Yellow clay & shale

NOTE: POSSIBLY PERFORATED BOTH 180 & 400 AQUIFERS

Work started 8 13 75 Completed 8 26 75

WELL DRILLER'S STATEMENT:

28

Ben Barrow Company, Inc.

P. O. Box 888
Woodland, California 95695

283326

SKETCH LOCATION OF WELL ON REVERSE SIDE

FC 2436

13/2-27 (CONT.)

ORIGINAL
File with DWR

CONFIDENTIAL LOG
Water Code Sec. 13752.

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do Not Fill In

24

No 126552

State Well No. 13S/2E-27 M N

Other Well No. area 33 400-AQ

(1) OWNER:

Name [redacted]

Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any

Township, Range, and Section

Distance from cities, roads, railroads, etc. Corner of Highway 156 and Castroville Blvd.

(3) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary [X]
Cable [ ]
Other [ ]

(6) CASING INSTALLED:

STEEL: Plate OTHER:

SINGLE [ ] DOUBLE [ ]

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	If gravel packed: From ft.	If gravel packed: To ft.
0	630	16"	1/4	26	0	630

Size of shoe or well ring:

Size of gravel:

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
208	268			1/8
358	388			1/8
448	478			1/8
508	628			1/8

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 50 ft.

Were any strata sealed against pollution? Yes [ ] No [X] If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing cement

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes [ ] No [ ] If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

Was electric log made of well? Yes [ ] No [ ] If yes, attach copy

(11) WELL LOG:

Total depth 680 ft. Depth of completed well 630 ft.

Formation: *Describe by color, character, size of material, and structure*

Material	From ft.	To ft.
Top soil	0	9
Monterey sand	9	20
" sand w/clay mxed	20	22
Monterey sand	22	33
Sandy clay	33	46
Coarse sand & gravel	46	66
Brown sand(tight)	66	111
Gray clay	111	127
Fine Brn sand	127	141
Tight Brn sand	141	146
Brn clay	146	152
yellow clay	157	165
Coarse sand	165	172
Gray clay	172	176
Yellow clay	176	211
Brn sandy clay	211	212
Yellow clay	212	213
Red sand	213	215
Yellow clay	215	217
Red sand	217	219
Hard gray clay	219	222
Brn cemented sand w/layers of sand stone	222	251
Gray clay	251	252
Hard yellow clay, little sticky	252	264
Gray sticky clay(hard)	264	275
Fine & cemented sand	275	288
Hard gray clay w/layers of brittle clay	288	309
Gravel & clay mixed	309	310
Sandy gray clay	310	314
Yellow sticky clay	314	316
Gray clay(sticky)	316	321
Clay w/layers of shale	321	329
Gray clay(sticky)	329	333
Blue clay(sticky)	333	346

Work started Oct. 8 19 76 Completed Oct. 15 19 76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME 28 Ben Barrow Co., Inc.
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 888
Woodland, CA 95695

[SIGNED]
(Well Driller)

License No. Dated Oct. 18, 19 76

SKETCH LOCATION OF WELL ON REVERSE SIDE

7-27-78
NOTE: 1 PAGE TO THIS LOG

DWR 188 (REV. 9-68)

67139-750 8-72 30M TRIP

ORIGINAL
File with DWR

FC 2447

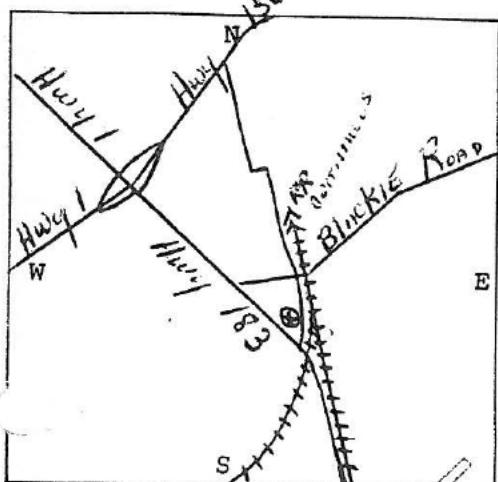
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 232071
State Well No. 13/02-34 M
Other Well No. 13S/2E-34M

Notice of Intent No. ______
Permit No. or Date W-2189

(1) OWNER: Name [redacted]
Address
City

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number 30-262-05
Well address if different from above
Township ______ Range ______ Section ______
Distance from cities, roads, railroads, fences, etc.
Corner of Railroad Ave & Hwy 183



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☒
Other ☒

(5) EQUIPMENT:
Rotary ☒ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size #8 Sand
Diameter of bore 28"
Packed from 350 to 630 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen: Stainless Steel Type 304

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	60	30	.281			
0	370	16	.312	370	450	.50
450	510	16	.312	570	570	.50
570	590	16	.312			
610	630	16	.312	590	610	.50

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 60 ft.
Were strata sealed against pollution? Yes ☒ No ☐ Interval 0-350 ft.
Method of sealing Pumped Grout Seal

(10) WATER LEVELS:
Depth of first water, if known ______ ft.
Standing level after well completion ______ ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Maggiora Bros
Type of test Pump ☒ Bailer ☐ Air lift ☐
See Attached Report
Depth to water at start of test ______ ft. At end of test ______ ft
Discharge ______ gal/min after ______ hours Water temperature ______
Chemical analysis made? Yes ☒ 1 No ☐ If yes, by whom? Soil Control
Was electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 645 ft. Depth of completed well 630 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	5	Clay
5	80	Sand
80	85	Blue Clay & Shells
85	115	Coarse Sand
115	175	Coarse Sand & Clay
175	325	Coarse Sand
325	370	Coarse Sand & Gray Clay
370	490	Gravel
490	505	Gravel & Clay
505	535	Brown Clay
535	565	Gravel
565	580	Clay
580	595	Sand
595	625	Sand, Gravel & Clay
625	645	Sand & Clay
		Test Hole Portion Continued
645	655	Sand
655	670	Blue Clay & Coarse Sand
670	685	Clay & Gravel
685	715	Brown Clay
715	735	Gravel & Clay
735	760	Brown Clay
760	880	Blue Clay & Gravel
880	910	Blue Clay & Sand
910	955	Sandy Clay
955	965	Hard Sandstone
965	970	Blue Clay & Sand
970	985	Brown & Blue Sand
985	1000	Brown Clay, Hard Rock & Sand
1000	1060	Brown Sandy Clay & Hard Rock

Work started 6-28 1982 Completed 7-9 1982

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED ______ (Well Driller)

NAME Maggiora Bros. Drilling, Inc.
(Person, firm, or corporation) (Typed or printed)
Address 595 Airport Boulevard
City Watsonville, CA Zip 95076
License No. C-57-249957 Date of this report Sept. 29, 1982

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DUPLICATE
Driller's Copy

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

FC 2455

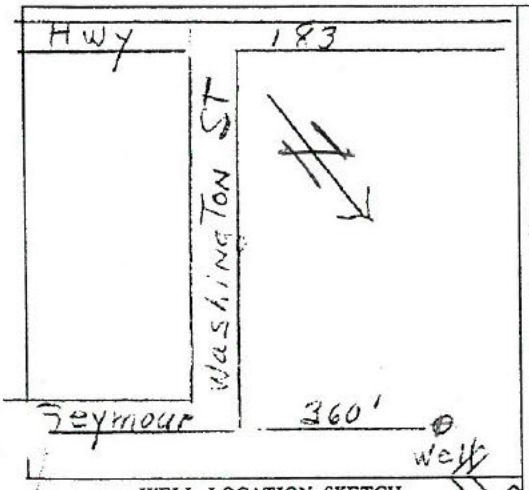
Do not fill in
No. 190362

Notice of Intent No. 2I7004
Permit No. or Date W 3854
Well #2

State Well No. 13S/02E-28MQ
Other Well No.

(1) OWNER:
Name [redacted]
Address [redacted]
City [redacted] Zip [redacted]

(2) LOCATION OF WELL (See instructions):
County Monterey Owner's Well Number
Well address if different from above
Township Range APN Section 30-06I-0I
Distance from cities, roads, railroads, fences, etc.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [ ]
Irrigation [X]
Industrial [ ]
Test Well [ ]
Stock [ ]
Municipal [ ]
Other [ ]

(5) EQUIPMENT:
Rotary [ ] Reverse [X]
Cable [ ] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [X] No [ ] Size #8 sand
Diameter of bore 24
Packed from 300 to 760 ft.

(7) CASING INSTALLED:
Steel [X] Plastic [ ] Concrete [ ]

From ft.	To ft.	Dia. in.	Gage or Wall
I	760	I2	.250

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
310	450	50 th
580	610	80 th
640	700	80 th
730	760	80 th

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 760 ft.
Were strata sealed against pollution? Yes [ ] No [ ] Interval 300 ft.
Method of sealing sand slurry

(10) WATER LEVELS:
Depth of first water, if known 59 ft.
Standing level after well completion 59 ft.

(11) WELL TESTS:
Was well test made? Yes [X] No [ ] If yes, by whom? Cullum Sys
Type of test Pump [X] Bailer [ ] Air lift [ ]
Depth to water at start of test 59 ft. At end of test 59 ft
Discharge I57I gal/min after I2 hours Water temperature
Chemical analysis made? Yes [ ] No [ ] If yes, by whom?
Was electric log made? Yes [X] No [ ] If yes, attach copy to this report

(12) WELL LOG:
Total depth 767 ft. Depth of completed well 760 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
I	3	top soil
3	I2	brown clay & gravel
I2	38	brown clay
38	58	gravel
58	67	brown clay
67	I4I	Aromas sand
I4I	I62	" " & gravel
I62	I74	brown clay
I74	I88	gravel
I88	2I6	brown clay
2I6	240	brown clay & gravel
240	279	Aromas sand
279	305	brown clay
305	3I9	brown clay & sand
3I9	330	Aromas sand & gravel
330	332	brown clay
332	353	gravel
353	369	brown clay
369	38I	brown clay & sand
38I	394	Aromas sand
394	408	blue clay
408	432	gray clay
432	455	gravel
455	465	sandy brown clay
465	490	Aromas sand
490	503	brown sandy clay
503	53I	brown clay
53I	543	brown sandy clay
543	589	" " "
589	607	gravel
607	656	gravel
656	664	"
664	676	brown clay
676	694	gravel
694	73I	brown clay
73I	744	gravel
744	767	blue clay

Work started May I9 19 86 Completed May 26 19 86

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

SIGNED L. E. Melville (Well Driller)

NAME L. E. Melville & Son (Person, firm, or corporation) (Typed or printed)
Address 96 Plum Tree Dr.
City Hollister, Calif Zip 95023
License No. 488915 Date of this report Aug 24, I98

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

FC 2536

~~14/3E-5~~ (33)

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

FC 2536

14S/2E-16G50
Do Not Fill In
No 81001
State Well No. 14S/2E-16G
Other Well No. Old # = 14S/01E-01T50

(1) OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any
Township, Range, and Section S. Kuramoto Nursery 303
Distance from cities, roads, railroads, etc. Espinosa Road ½ miles north of Salinas, Ca.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Other ☐

(6) CASING INSTALLED:

STEEL: SINGLE ☐ DOUBLE ☒ OTHER:

From ft.	To ft.	Diam.	Gage or Wall
0	600	12	12

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring: 3/4x8x12
Size of gravel:
Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Mills

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
225	580			

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 52 ft.
Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.
Standing level before perforating, if known ft. 42
Standing level after perforating and developing ft. 50

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes ☐ No ☐
Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:

Total depth 598 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material, and structure

ft. to	ft.
0-46	yellow clay
46-200	blue clay
200-240	brown clay
240-320	yellow clay
320-598	brown and yellow clay

Work started May 24 1974 Completed June 17 1974

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Raymond Alsop
(Person, firm, or corporation) (Typed or printed)
Address P.O. Box 1147
Salinas, Ca. 93901
[SIGNED] Raymond Alsop
(Well Driller)
License No. 120768 Dated June 20, 1974

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

25179-550 8-68 50M TNIP

ORIGINAL

File with DWR

FC 2662

See Jog # 097794 14S/2E

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

(33)

Do not fill in

No. 072490

State Well No. 14S-2E

Other Well No. 14S/2E-15 K1

1) OWNER: Name [redacted]

Address [redacted]

City Zip

2) LOCATION OF WELL (See instructions): 7T-495

County Monterey Owner's Well Number ~~W-3486~~

Well address if different from above

Township Range Section

Distance from cities, roads, railroads, fences, etc. Cooper-Nashua Rds.
1/4 mi E 3/8 mi N

See Attached MAP

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [ ]
Irrigation [X]
Industrial [ ]
Test Well [ ]
Stock [ ]
Municipal [ ]
Other [ ]

(5) EQUIPMENT:
Rotary [ ] Reverse [X]
Cable [ ] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [X] No [ ] Size 3/8 rock
Diameter of bore 26"
Packed from 300 to 600 ft.

(7) CASING INSTALLED:
Steel [X] Plastic [ ] Concrete [ ]

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	600	16"	IDx.250	300	600	18'-fulflo lovr. 240'-lovrd 42'-perforated

(8) PERFORATIONS:
Type of perforation or size of screen

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 300 ft.
Were strata sealed against pollution? Yes [ ] No [ ] Interval ft.
Method of sealing cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes [ ] No [ ] If yes, by whom?
Type of test Pump [ ] Bailer [ ] Air Lift [ ]
Depth to water at start of test ft. At end of test ft
gal/min after hours Water temperature
Chemical analysis made? Yes [ ] No [ ] If yes, by whom?
Electric log made? Yes [X] No [ ] If yes, attach copy to this report

(12) WELL LOG: Total depth 600 ft. Depth of completed well 600 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	3	top soil
3	8	sandy gravel
8	112	clay and sandy clay
112	202	gravel to large cobbles
202	214	clay
214	247	gravel and sand
247	249	clay
249	260	gravel and sand
260	264	clay
264	272	sandy clay
272	298	clay
298	318	gravel and sand
318	322	clay
322	360	clay and sandy clay
360	385	gravel
385	392	clay
392	410	gravel
410	438	clay
438	502	gravel-some cemented streaks
502	538	sand
538	545	clay
545	567	gravel
567	574	clay
574	590	gravel-some large cobbles
590	591	clay
591	600	gravel

Work started 19 Completed 3-14-79 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)

NAME Eaton Drillin g Co. Inc. (Person, firm, or corporation) (Typed or printed)

Address 20 Kentucky (P. O. Box 975)

City Woodland, California Zip 95695

License No. 133783C57 Date of this report 3-14-1979

DWR 188 (REV. 7-74) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 2682 13S/2E-29M2

QUADRUPLICATE
RETAIN THIS COPY

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
No 114748

State Well No.
Other Well No.

S.F. Lab

OWNER:

Name
Address [redacted]

(2) LOCATION OF WELL:

County Monterey Owner's number, if any—
R. F. D. or Street No.
Located 1-1/2 miles south of the intersection of Highway #1 & Molera Road & appx. 3/4 mile east of Molera Road.

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	408	12	1/4
408	410	12 X 10	1/4
410	566	10	1/4

Type and size of shoe or well ring
Describe joint Collars welded

If gravel packed

Diameter of Bore	from ft.	to ft.
24	0	566

Size of gravel: 1/4

(7) PERFORATIONS:

Type of perforator used
Size of perforations Factory punched louvre in.
From ft. to ft. 1-1/2 Perf. per row 5/32 Rows per ft.
410 566

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From ft. to ft.
0 350
Method of Sealing Cement between bore & casing

(9) WATER LEVELS:

Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with If Dawbee later hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☒ Yes ☐ No

(11) WELL LOG:

Total depth 611 ft. Depth of completed well 566 ft.
Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	
0	3	Surface soil
3	6	Sandy yellow clay
6	20	Blue mucky clay, blue clay
20	40	Streaks of blue sandy clay
"	"	blue mucky clay
48	71	Blue mucky clay
71	93	Blue clay, wood, sea shells
"	"	colored sand
93	116	Sand, tight blue clay
"	"	sand, gravel
116	138	Colored sand, coarse gravel
138	206	" " "
206	228	Colored sand, yellow sandy
"	"	clay, yellow clay
228	251	Yellow sandy clay, red
"	"	sandy clay, red sand
251	273	Yellow sandy clay, sand
"	"	red sandy clay, red sand
273	296	Red sandy clay, red sand
296	318	Red sand hard shells
318	341	Blue & Yellow sandy,
"	"	gravelly clay
341	386	Red sandy clay & gravel
396	408	Blue & brown clay.
408	425	White, coarse & fine sand
425	453	Blue caly, thin sand strks
453	540	White & brown coarse soft
"	"	sand
540	573	Coarse sand, streaks of
"	"	yellow clay & shale
575	588	Blue hard shale, streaks
"	"	of yellow clay
588	611	Blue shale, streaks of
"	"	coarse sand.

Invoice # 6053
Bob's Rig Co

Work started 3-25 19 68 Completed 4-10 19 68

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Drilling (Person, firm, or corporation) (Typed or printed)
Address 1128 Madison Lane,
Salinas, Cal. 93901
[SIGNED] Well Driller
License No. 200267 Dated 4-12, 19

87649 5-63 25M QUIN ① △ SPO DWR 188 (REV. 3-54)

QUALITY BOOK

TRIPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

FC 2683

Do Not Fill In

No 43475

State Well No. 13S/2E-29D3

Other Well No. 1-B-104

(1) OWNER:

Name [redacted]

(2) LOCATION OF WELL:

County Monterey Owner's number, if any—

R. F. D. or Street No. About 1/4 mile off Highway #1 along Molera Rd., just off Molera Rd. on N. W. side of road.

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	412	14"	1/4"
412	632	10"	1/4"

If gravel packed

Diameter of Bore	from ft.	to ft.
24"	0	412
13/3/4"	412	632

Type and size of shoe or well ring

Size of gravel: 1/4" Appx.

Describe joint: Collars welded

(7) PERFORATIONS:

Type of perforator used: Factory punched

Size of perforations 1/1/2" in., length, by 5/32" in.

From ft.	to ft.	Perf. per row	Rows per ft.
0	432 Blank		
432	632 Perf.		

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 412 ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From 0 ft. to 412 ft.

Method of Sealing: Cement poured between 24" bore casing to 412'

(9) WATER LEVELS:

Depth at which water was first found ft.

Standing level before perforating ft.

Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: gal./min. with ft. draw down after hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 632 ft. Depth of completed well 632 ft.

Formation: *Describe by color, character, size of material, and structure.*

ft.	to ft.	
0	3	Surface soil
3	10	Yellow sandy clay
10	25	Blue sandy muck
25	90	Blue sand, blue clay
90	158	Coarse sand and gravel, soft
158	203	Coarse gravel, thin streaks of yellow clay
203	225	Yellow clay
225	271	Red sandy clay, sand.
271	316	Yellow sandy clay, sand316
316	338	Hard blue and yellow clay
338	384	Red and Yellow sandy clay, sand.
384	406	Red & yellow sandy clay, soft
406	429	Coarse yellow sand & clay, soft
429	475	Coarse red sand, gravel & clay
475	497	Sand, gravel and red clay
497	542	Red sandy clay, soft.
542	587	" " " "
587	632	Yellow clay

MAY 2 4 1960

Work started 3 - 26 19 60, Completed 4 - 6 19 60

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Pump & Drilling Co., (Person, firm, or corporation) (Typed or printed)

Address P. O. Box 157 - 1268 Abbott St., Salinas, California.

[SIGNED] [signature] Well Driller

License No. 112582 Dated May 19, 1960

95689 3-54 50M QUIN SPO DWR FORM No. 246 (REV. 3-54)

ORIGINAL
File with DWR

FC 2686

Page 1 of 2

Owner's Well No. _____

Date Work Began 4/20/95 , Ended 5/2/95

Local Permit Agency Monterey County Health Dept

Permit No. 95-072 Permit Date 3-28-95

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 592817

DWR USE ONLY — DO NOT FILL IN
14S/2E-14B50
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
14S/02E-14B50
APN/TRS/OTHER

PRESSURE-400

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft. to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0 3	top soil
3 55	clay brown
55 77	gravel & sand
77 87	clay brown
87 I25	gravel
I25 I29	clay brown
I29 I60	clay blue
I60 I64	gravel blue
I64 I70	clay blue
I70 202	gravel
202 209	clay, sandy brown
209 252	gravel
252 259	Aromas sans
259 272	clay brown
272 276	gravel S.V.
276 284	clay, brown sandy
284 290	gravel S.V.
290 302	clay tan
302 322	gravel S.V.
322 346	clay brown sandy
346 348	gravel S.V.
348 357	sandy corse
357 380	clay tan gravel mix
380 40I	gravel sand corse
40I 4I5	clay brown
4I5 454	gravel sandy brown clay
454 457	clay brown sandy
457 460	gravel
460 467	clay brown sandy
467 473	gravel & sand

TOTAL DEPTH OF BORING 766 (Feet)

TOTAL DEPTH OF COMPLETED WELL 750 (Feet)

WELL OWNER

Name [redacted]

Mailing Address [redacted]

CITY [redacted] STATE ZIP

WELL LOCATION

Address Hwy I83 & Cooper Rd.

City Salinas

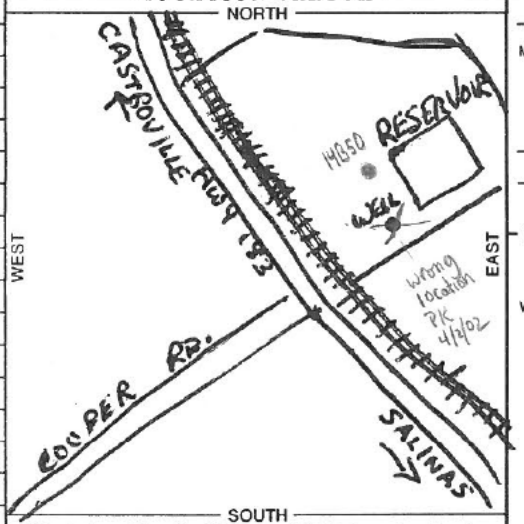
County Monterey

APN Book I35 Page I22 Parcel 02

or Township ___ Range ___ Section ___

or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH



Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL

MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)

___ DESTROY (Describe Procedures and Material Under "GEOLOGIC LOG")

PLANNED USE(S) (✓)

___ MONITORING

WATER SUPPLY
___ Domestic
___ Public
X Irrigation
___ Industrial

___ "TEST WELL"

___ CATHODIC PROTECTION

___ OTHER (Specify)

DRILLING METHOD Reverse Rotary FLUID mud

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___

ESTIMATED YIELD* ___ (GPM) & TEST TYPE ___

TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)

** May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0 390	25	x				MildSteel	16	1/4	
390 420	25	x				CB	16	1/4	
420 570	25		x			CB	16	1/4	3/32
570 660	25	x				CB	16	1/4	
660 750	25		x			CB	16	1/4	3/32

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft. to Ft.	TYPE: CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0 410	x	10 sack sand slurry		
410 750			x	well pac

ATTACHMENTS (✓)

X Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME L.E.Melville & Son, Inc. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 96 Plum Tree Dr. CITY Hollister, STATE Ca. ZIP 95023

Signed James C Melville (WELL DRILLER/AUTHORIZED REPRESENTATIVE) DATE SIGNED 6/19/95 C-57 LICENSE NUMBER 675586

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 2689

ORIGINAL
File with DWR
Page 1 of 1

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 449753

DWR USE ONLY — DO NOT FILL IN
13S/02E-20K50
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
13S/02E-20K50
APN/TRS/OTHER

Owner's Well No. 6698
Date Work Began 10/19/95 Ended 11/17/95
Local Permit Agency MONTEREY CO ENVIRONMENTAL HLTH
Permit No. 95-257 Permit Date 10/17/95

PRESSURE-400

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	5	TOP SOIL
5	70	COARSE SAND W/YELLOW CLAY STK
70	85	COARSE SAND
85	158	SANDY CLAY
158	202	BLUE CLAY W/SAND STREAKS
202	235	YELLOW CLAY W/SAND STREAKS
235	292	SAND
292	316	CEMENTED SAND W/YELLOW CLAY
316	332	SANDY YELLOW CLAY
332	372	SAND W/YELLOW CLAY
372	416	SANDY YELLOW CLAY
416	455	SAND
455	458	HARD STREAKS
458	488	SAND
488	496	BRITTLE CLAY
496	522	SAND
522	573	BRITTLE BLUE CLAY
573	582	GRAVEL & SAND
582	610	BRITTLE BLUE CLAY
0	660	BLUE CLAY W/SAND STREAKS
660	750	SHALEY SAND & GRAVEL WITH BRITTLE CLAY STREAKS
750	760	CLAY

TOTAL DEPTH OF BORING 770 (Feet)
TOTAL DEPTH OF COMPLETED WELL 750 (Feet)

WELL OWNER

Name [redacted]
Mailing Address [redacted]
CITY [redacted] STATE [redacted] ZIP

WELL LOCATION

Address .75mi E HW & .25mi N OF MOLERA
City RD
County MONTEREY
APN Book 133 Page 151 Parcel 014
or Township ___ Range ___ Section 0
or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH

NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
___ Domestic
___ Public
X Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
X OTHER (Specify)

DRILLING METHOD ROTARY FLUID WATER

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___
ESTIMATED YIELD* ___ (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	100	42"	X				CONDUCTOR PIPE	30"	.343	
0	430	25"					ACCESS TUBE	2"	SCH 40	
0	440	25"	X				ASTM-135	12-3/4	.312	
440	530	25"		X			DBL MILLSLOT	12-3/4	.312	0.060
530	660	25"	X				ASTM-135	12-3/4	.312	
660	750	25"		X			DBL MILLSLOT	12-3/4	.312	0.060

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	100	X			SEAL
0	420	X			SEAL
420	770			X	6X12 GRAVEL

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME EATON DRILLING COMPANY, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

20 W. Kentucky Ave. Woodland CA 95695
ADDRESS CITY STATE ZIP

Signed [signature] WELL DRILLER/AUTHORIZED REPRESENTATIVE
11/24/95 DATE SIGNED
133783C57 C-57 LICENSE NUM

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

149

FC 2691

14/2-18E1

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

ORIGINAL
File with DWR CONFIDENTIAL LOG
Water Code Sec. 13

33

Do Not Fill In
No 121665
State Well No. 14S/2E-18E1
Other Well No.

(1) OWNER: [redacted]
Address [redacted]

(2) LOCATION OF WELL:
County Monterey Owner's number, if any
Township, Range, and Section: Between Marina & Castroville
Distance from cities, roads, railroads, etc.: 2 mi S Elkhorn Bridges on Hwy 1,
off Lapis Road

(3) TYPE OF WORK *(check):*
New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE *(check):*
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:
STEEL: OTHER:
SINGLE ☒ DOUBLE ☐

From ft.	To ft.	Diam.	Gage or Wall
	303	14"	1/4
303	306	14"x12"	reducer
306	870	12	1/4

If gravel packed

Diameter of Bore	From ft.	To ft.
26	300	870
	48	

Size of shoe or well ring:
Size of gravel: 1/4 pea
Describe joint welded

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
666	834	8	4½	2/8" std louvre
48.				

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth? 300 ft.
Were any strata sealed against pollution? Yes ☒ No ☐ If yes, note depth of strata
From 0 ft. to 300 ft.
From ft. to ft.
Method of sealing concrete

(9) WATER LEVELS:
Depth at which water was first found, if known ft.
Standing level before perforating, if known ft.
Standing level after perforating and developing ft.

(10) WELL TESTS: to be tested
Was pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes ☐ No ☐
Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:
Total depth ft. Depth of completed well 870 ft.
Formation: *Describe by color, character, size of material, and structure*

0	ft. to 75	fine sand
75	to 100'	coarse gravel
100	125	gravel-streaks clay
125	150	clay rock
150	175	coarse gravel
175	200	~~fine sand streak clay~~
200	225	fine sand streak clay
225	250	fine sand streak clay
250	275	gravel
275	300	fine sand - streak clay
300	325	white sand
325	350	sand-clay streaks
350	375	sand
375	400	fine sand
400	425	sand gravel
425	450	sand gravel
450	475	sand streaks clay
475	500	coarse gravel-clay
500	525	sand clay
525	550	sand clay
550	575	sandy clay
575	600	fine sand clay
600	625	sand
625	650	Red clay gravel
650	675	yellow clay
675	700	yellow clay
700	725	fine gravel
725	750	coarse gravel
750	775	coarse gravel
775	800	fine gravel
800	825	coarse gravel
825	850	coarse gravel
850	875	yellow clay
875	890	yellow clay
890	913	yellow clay

Work started 7-2-74 19 , Completed 7-5-74 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Salinas Pump Co.,
(Person, firm, or corporation) (Typed or printed)
Address 1128 Madison Lane, Salinas, Ca. 93901
[SIGNED] [signature] (Well Driller)
License No. 273053 Dated 7-15-74, 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

FAC # 21363

FC 2698

ORIGINAL
File with DWR

Page ___ of ___ (NEW WELL #5)

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 542944

DWR USE ONLY — DO NOT FILL IN
14S/02E-04G02
STATE WELL NO./STATION NO.
LATITUDE ___ LONGITUDE ___
14S/02E-04G02
APN/TRS/OTHER

Owner's Well No. CSID #5
Date Work Began 5-7-96 Ended 8-20-96
Local Permit Agency Monterey Co. Health
Permit No. WSAL 96-114 Permit Date 6-13-96

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	50	Clay-Sand
50	70	Clay
70	160	Clay-wood fragments
160	175	Clay-sand
175	205	Gravel-sand
205	225	Sand-gravel
225	250	Gravel-sand
250	260	Sand-gravel
260	390	Clay-sand
390	405	Sand-clay
405	420	Clay-fine sand
420	450	Sand-clay
450	500	Sand
500	505	Clay-sand
505	525	Sand
525	550	Sand-clay
550	580	Clay-sand
580	600	Sand-clay
600	610	Clay
610	620	Sand-clay
620	630	Sand-clay

TOTAL DEPTH OF BORING 625 (Feet)
TOTAL DEPTH OF COMPLETED WELL 620 (Feet)

WELL OWNER

PRESSURE-400

Name [redacted]
Mailing Address [redacted]
CITY [redacted] STATE [redacted] ZIP

WELL LOCATION

Address Castroville Seawater Intrusion Project
City c/o M.C.W.R.A.
County Castroville
APN Book 135 Page 081 Parcel 006
or Township ___ Range ___ Section ___
or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH

NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
___ Domestic
___ Public
X Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD ~~Rotary~~ FLUID Bentonite

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___
ESTIMATED YIELD* ___ (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	70	42			X		A53B	34"	.250	
0	370	32	X				ASTM 139	22"	.375	
370	520						304 S.S.	22		.050
520	560		X				ASTM 139	22	.375	
560	610				X		304 S.S.	22		.050
610	620		X				ASTM 139	22	.375	

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	360	X			
370	625			X	6x16

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
X Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME FARM PUMP & IRRIGATION CO
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

P.O. BOX 1477 SHAFTER CA 93263
ADDRESS CITY STATE ZIP

Signed ___ 9-
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED

602148
C-57 LICENSE NUMBER

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 2718
14S/02E-17B03

CSIP
NEW WELL

TEMPLATE
Owner's Copy
Page 1 of 2

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 542922

DWR USE ONLY — DO NOT
14S/02E-17
STATE WELL NO./STATION
LATITUDE LONGITU
14S/02E-17BQ
APN/TRS/OTHER

Owner's Well No. 3 C.S.I.D # 3
Date Work Began _____ Ended _____
Local Permit Agency Monterey County Health Dept.
Permit No WSAL 96-051 Permit Date 4/5/96

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
5	90	Clay
90	120	Coarse sand
120	130	Clay
130	150	Sand and clay
150	154	Gravel
154	220	Coarse sand - gravel
220	240	Sand
240	280	Sand and clay
280	330	Clay
330	340	Sand - Clay
340	420	Coarse sand
420	440	Sand
440	450	Sand Clay
450	550	Sand
550	610	Coarse Sand
610	635	Sand and tan clay

TOTAL DEPTH OF BORING 635 (Feet)
TOTAL DEPTH OF COMPLETED WELL 615 (Feet)

WELL OWNER

Name [redacted] PRESSUR
Mailing Address [redacted]
CITY [redacted] STATE

WELL LOCATION

Address _____
City _____
County _____
APN Book 229 Page 011 Parcel 003
or Township _____ Range _____ Section _____
or Latitude _____ DEG. MIN. SEC. NORTH Longitude _____ DEG. MIN.

LOCATION SKETCH

NORTH
WEST EAST
SOUTH

See Castroville Seawater Intrusion Project Construction Document archive "Well File" for further information regarding this well.
C. Moss
MCWRA

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIV
X NEW WE
MODIFICATION
___ De
___ Ot
___ DESTRO Procedur Under "G
PLANNE (
___ MONI
WATER SUPPL
X
___ "TES
___ CATH TION
___ OTHE

DRILLING METHOD Rotary FLUID Bentonite

WATER LEVEL & YIELD OF COMPLETED WE

DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___
ESTIMATED YIELD* ___ (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	70	42"			X		A139	34"	.250	
0	330	32"	X				A139	22"	.375	
330	410	"		X			304 S.S.	22"		.070
410	440	"	X				A139	"	.375	
440	540	"		X			304 S.S.	"		.070
540	560	"	X				A139	"	.375	

560 - 600 X (screen)

ANNULAR MATE

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILT (TY
0	70	X			10
0	330	X			50/50
330	615			X	#4/#1

ATTACHMENTS (✓)

X Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge a

NAME Farm Pump and Irrigation
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
P. O. Box 1477, Shafter, Ca. 93263

152

FC 10140

13S/2E-19R1 1-B-61A
519
R

March 16, 1947

[redacted]

Log of Formation and Casing Detail

From	To	
0'	36'	Yellow sand and some yellow clay
36'	40'	Coarse sand and gravel
40'	104'	Coarse sand and gravel and blue clay
104'	146'	Coarse sand and gravel-very tight
146'	167'	Coarse sand and gravel and some yellow clay-very tight
167'	208'	Coarse gravel and sand with streaks of yellow clay
208'	292'	Coarse gravel and sand with streaks of yellow clay-not tight
292'	331'	Coarse gravel and sand
331'	334'	Cap Rock
334'	355'	Sand, Yellow clay and rocks
355'	370'	Blue clay and coarse sand
370'	398'	Yellow clay and sand
398'	418'	Sand
418'	440'	Sand and Streaks of yellow clay
440'	485'	Sand and streaks of yellow clay
485'	508'	Sand

CASING DETAIL

354 ft. of 16 inch casing cemented with 300 sacks of cement.
156 ft. of 10 inch perforated casing. Perforations clean cut 3/16 by 1. Double amount set on bottom at 510 ft.

WALKER DRILLING CO.

By R. W. Walker

FC 10142

1-B-91
500
13S/2E-20M2

(91)

WALKER DRILLING COMPANY
79 Orchard Lane
Salinas, California

March 15, 1949

Log of California Artichoke Growers Ass'n
Well #1

From	To	
0	46	Surface sand
46	49	Sandy Yellow Clay & sand
69	91	Sandy Yellow Clay & Sand & Some gravel
91	114	Sandy Yellow Clay & Gravel Streaks
114	136	Streaks of Yellow Clay, some small gravel & sand
136	159	Streaks of Yellow Clay, Some small Gravel & Sand
159	181	Sandy Blue Clay some small gravel
181	227	Yellow & Blue sandy Clay & Coarse Gravel
227	249	Yellow Sandy Clay & Coarse Loose Gravel
249	294	Yellow & Bleu Sandy Clay & Coarse Loose Gravel
294	317	Blue Clay & Fine Sand & Some Gravel
317	340	Hard Blue Sandy Clay & Fine Sand & Gravel
340	362	Streaks of Red Sandy Clay & Blue Clay, Sandy gravel
362	408	Streaks of Red & White Clay Sand & Gravel
408	430	Hard Dry White Clay, Blue & Yellow Clay & Gravel
430	453	Yellow & White Clay & Sand & Gravel
453	475	White Clay & Some Yellow Clay & a little Gravel
475	498	Yellow Sandy Clay & Sand & some Gravel
498	521	Yellow Sandy Clay, Hard Dry Blue Clay & Gravel
521	543	Yellow Sandy Clay & a little Gravel
543	566	Yellow & Blue Sandy Clay & a little Gravel
566	588	Blue Sandy Clay & Streaks of Yellow Clay & Gravel
588	600	Blue Sandy Clay

CASING DETAIL

362 feet of 16" x 3/16" Blank Casing cemented outside of casing with 300 Sacks of cement. 191 Feet of 10" x 3/16" perforated Casing. Perforations are 1/8" x 3" clean cut slots with cone on Bottom Joint. Well Cased to 530 feet.

WALKER DRILLING COMPANY

By_____

(18)

FORM 115

INVESTIGATION SALINAS RIV.

FC 10143

DIVISION OF WATER RESOURCES
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA

WELL LOG

SHEET 1

NUMBER 1-B-67

135/2E-21G1
LOCAL DESIGNATION

400 FT. AQ

LOCATION East of Moss Landing

OWNER Jack Dolan

DATE COMPLETED

DIAMETER OF CASING

DRILLED BY Burt Duer

SOURCE OF INFORMATION Burt Duer

INSPECTED WHILE DRILLING SEE FILE NO.

SURFACE ELEVATION

SKETCH

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
0	6	Top Soil				
6	60	Yellow clay				
60	112	Blue clay				
112	120	Yellow clay				
120	168	Sand (Brown Hard)				
168	225	Brown Sand				
225	244	White Sand				
244	250	Yellow clay				
250	263	Sand & gravel				
263	300	Yellow clay				
300	310	White clay				
310	332	Red Sand				
332	345	Sand & Gravel				
345	357	Red Sand				
357	365	Sandy clay				
365	376	Gray clay				
376	380	Yellow Sand				
380	382	Yellow clay				
382	406	Brown Sand				
		Seated on trough Blue formation				
		Perforated below 263' in Sand and gravel				

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY T.R.S DATE 6/47

97568 9-52 15M CALIFORNIA STATE PRINTING OFFICE

FC 10150

FC 10150

P-400

13S/2E-29C2 1-B-31A
52
R (31A)

WALKER DRILLING COMPANY
Salinas, California

May 3, 1950

Log of Castroville Ranch Waterwell #2

From	To	
0	2	Surface Soil
2	43	Sand
43	65	Sand streaks clay (10 feet yellow clay)
65	88	Course sand
88	111	Course sand
111	133	Course sand and granite
133	156	Course sand, streaks red sandy clay
156	178	Course sand streaks red sandy clay
178	201	Sand, little clay mixed
201	224	Yellow sandy clay
224	246	Blue clay
246	269	Yellow sandy clay, streaks blue clay
269	291	Blue clay, streaks yellow sandy clay
291	314	Yellow sandy clay
314	337	Yellow sandy clay
337	359	Yellow sandy clay, streaks red sand
359	382	Red sand, small gravel
382	404	Red sand, hard streak on bottom
404	427	Red sand and streaks of course gravel
427	450	Course gravel and sand
450	473	Course gravel and sand
473	495	Red sand and course gravel
495	518	Red sand and course gravel
518	540	Red sand and course gravel
540	550	Red sand, gravel and blue clay on bottom

CASING DETAIL

Three hundred fifty four feet of 16 inch by 3/16 inch blank casing. Cemented outside of casing with three hundred twenty five sacks of cement. Two hundred feet of ten inch by 1/4 inch perforated casing. Perforations are 1/8 inch by 3 inches with cone on bottom joint. Eighteen feet of 10 inch of 1/4 inch blank casing on top of perforations.

WALKER DRILLING COMPANY

P.O. Box 178

August 25, 1949
Log of Cezzan's well No. 3
COZZENS

0		46	Curface soil & sand
46		91	Sand & Streaks of blue clay
91		114	White clay & streaks of course sand
114		136	Blue clay & streaks of gravel
138		159	Blue & white clay
159		182	Blue clay & streaks of gravel
182		204	White clay & streaks of gravel
204		227	White clay & streaks of gravel
227		249	Course gravel & sand
249		272	Course gravel & streaks of blue clay
272		295	Course gravel & streaks of yellow clay
295		317	Course gravel & sandy yellow clay
317		340	Course gravel & sandy yellow clay
340		362	Yellow sandy clay & streaks of chalk rock
362		385	Blue sandy clay
385		407	Blue sandy clay & course gravel
407		430	Course gravel & red Sandy clay
430		452	Course gravel & sand
452		543	Course gravel and sand
543		565	Sand & gravel
565		602	Course gravel & sand & streaks of yellow clay

390' BLANK 16" CASING, CEMENTED

210' 10" PERF. CASING

18' 10" BLANK

Casing Detail

390 feet of 16 inch by 3/16 inch blank casing cemented outside with 325 sacks of cement.
210 feet of 10 inch by 3/16 inch perforated casing with cone on bottom.
Perforations: 1/8 by 3 inches clean cut slots; 18 feet of 10 x 3/16 inch blank casing on top of perforated casing.

602
228
374

DUPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
NTROL BOARD No. 3
(If appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

FC 10158

Do Not Fill In

No 71880

State Well No.

Other Well No. ~~12S/1E-31G3~~ 13S/02E-31K02

Not oper (SALTY)

(1) OWNER:

Name [redacted]

Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any—

R. F. D. or Street No. 1 B 300 yds. N W of # 52 A Accross Molera Road 600 ft. S E of # 62

NO WELL THIS LOCATION 1973, MUST HAVE BEEN ABANDONED

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐

Cable ☒

Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☒

From	ft. to	ft.	Diam.	Gage or Wall
0	58	18	10	
0	338	16	10	
0	558	12	12	

Type and size of shoe or well ring

Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Mills

Size of perforations 3½ in., length, by ¼ in.

From ft.	to ft.	Perf. per row	Rows per ft.
476	495	6	1
505	549	6	1

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.

Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata

From 0 ft. to 338 ft.

Method of Sealing Welded Liner

(9) WATER LEVELS:

Depth at which water was first found ft.

Standing level before perforating ft.

Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: gal./min. with ft. draw down after hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 568 ft. Depth of completed well 568 ft.

Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	
0	3	Top soil
3	10	Blue clay
10	15	Yellow sandy clay
15	23	Yellow sediment
23	58	Blue clay
58	86	Blue sandy clay
86	99	Blue clay
99	102	Sandy blue clay
102	112	Blue pack sand
112	130	Soft blue clay
130	206	Gravely blue clay
206	220	Hard yellow clay
220	260	Yellow gravely clay
260	274	Red sandstone & gravel
274	290	Red sandstone
290	294	Hard yellow clay
294	321	Red sandy clay & sandsto
321	323	Sandstone ledge
323	330	Red sand
330	332	Sandstone ledge
332	344	Yellow clay
344	355	Gravely yellow clay
355	358	Yellow clay
358	371	Sandy red clay
371	377	Yellow clay
377	381	Red & white sand
381	396	Sandy red clay
396	411	Sandy yellow clay
411	417	Sand & gravel
417	439	Hard yellow clay
439	447	Sandy yellow clay
447	449	Gravely yellow clay
449	468	Sandy yellow cly, some g
468	476	Mucky sand & gravel
476	495	Sand & gravel
495	505	Fine sand & gravel
505	549	Sand & gravel
549	568	Yellow clay

Work started 19 , Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy V. Alsop & Son
(Person, firm, or corporation) (Typed or printed)

Address 1508 Abbott Street
Salinas, California

[SIGNED] Roy V. Alsop
Well Driller

License No. 132870 Dated September 11, 19[illegible]

CONFIDENTIAL Section 7076, Water Code

57025 6-57 80M QUIN △ SPO

DWR 188 (REV. 3-54)

FC 10163

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No.
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. 792

State Well No. 1-B-97
Other Well No. 13S/2E-32E3

(1) OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Montery Owner's number, if any—
R. F. D. or Street No.
.4 Mi. NE Molera Road & 1 Mi. NW
State Hwy # 1

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☒

				Gage or Wall
From 0 ft. to	52 ft.	18" Diam.	12	"
" 0 "	356 "	16"	10	"
" 0 "	880 "	12"	12	"

Type and size of shoe or well ring
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.
	"	"
	"	"
	"	"
	"	"
	"	"

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Mills
Size of perforations 3/8 in., length, by 1/4 in.
From 418 ft. to 633 ft. Perf. per row Rows per ft.
" " " " " " " "
" " " " " " " "
" " " " " " " "
" " " " " " " "

Section 7076 CONFIDENTIAL

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata
From ft. to ft.
"
Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.
Standing level before perforating ft.
dine level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

400-AQ

Total depth 885 ft. Depth of completed well 885 ft.
Formation: *Describe by color, character, size of material, and structure.*

0	ft. to	2 ft.	Top soil
2	"	8	Yellow clay
8	"	12	Black adobe
12	"	17	Yellow quicksand
17	"	85	Blue clay
85	"	90	Sandy blue clay
90	"	96	Blue sand
96	"	122	Blue clay
122	"	129	Blue sand & gravel
129	"	206	White gravel
206	"	260	Yellow clay
260	"	276	Red sandy clay
276	"	286	Red sand
286	"	300	Hard red sand
300	"	313	Sandy clay
313	"	316	Sandstone
316	"	337	Red sand
337	"	345	Hard red sand
345	"	418	Yellow sandy clay
418	"	432	Gravely yellow clay
432	"	440	Blue clay
440	"	450	Yellow clay
450	"	458	Gravely yellow clay
458	"	469	Sand & fine gravel
469	"	473	Sand & gravel
473	"	487	Yellow sandy clay
487	"	490	Gravel & clay
490	"	505	Fine sand & gravel
505	"	536	Gravely clay
536	"	540	Gravel
540	"	543	Yellow clay
543	"	556	Red sandy clay
556	"	570	Fine gravel
570	"	582	Red sandy clay
582	"	594	Gravely clay
594	"	614	Yellow clay
614	"	622	Gravel & clay
622	"	628	Sand & gravel
628	"	631	Yellow clay
631	"	633	Sand & gravel
633	"	638	Hard yellow clay
638	"	647	Yellow sandy clay
"	"		continued

Work started 19 , Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roy V. Alsop & Son
(Person, firm, or corporation) *(Typed or printed)*
Address 1508 Abbott Street
Salinas, California

[SIGNED] Roy V. Alsop
Well Driller
License No. 132870 Dated Sept. 20, 1954

95609 3-54 2M QUIN ③ SFO

DWR FORM NO. 246 (REV. 3-54)

FC 10191

14S/2E-6R2
1-C-12A

February 25, 1948

Log of Elmer Struve Well No. 2

From	To	
0	2	Surface Soil
2	6	Black Soil
6	20	Sandy Blue Clay
20	40	Sandy Blue Clay
40	61	Blue Clay and Thin Streaks of Sand
61	82	Blue Clay and Thin Streaks of Sand
62	103	Blue Clay and Thin Streaks of Sand
103	145	Blue Clay
145	228	Blue Clay and Sand
228	249	Coarse Sand and Yellow Clay
249	291	Coarse Sand and Yellow Clay
291	312	Coarse Gravel and Sand and Yellow Clay
312	351	Coarse Gravel and Sand and Yellow Clay
351	374	Coarse Sand and Streaks of Yellow Clay
374	394	Coarse Sand and Streaks of Yellow Clay
394	415	Coarse Gravel and Sand and Streaks of Yellow Clay
415	460	Coarse Gravel and Sand and Streaks of Yellow Clay
460	483	Coarse Gravel and Sand
483	503	Coarse Gravel and Sand and Rocks
503	524	Coarse Gravel and Sand and Streaks of Yellow Clay
524	544	Coarse Gravel and Sand and Streaks of Yellow Clay
544	565	Sand and Thin Streaks of Yellow Clay
565	603	Coarse Sand
603	604	Yellow Clay

CASING DETAIL

351.90 Feet of 16" x 1/4" Blank Casing. Cemented outside of casing with 300 sacks of construction cement.
252.97 Feet of 10" x 3/16" perforated casing. Perforations 1/8" x 3" clean cut slots. 20 Feet of Blank 10" x 3/16" 20 Feet of Blank on top of Perforated Casing. Bottom joint Bullnosed.

WALKER DRILLING CO.

By _____

FC 11037

TRIPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. 71843
State Well No. 13S/2E-31G4
Other Well No. 1-B-107

(1) OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any—
R. F. D. or Street No. Located about 3/4 of mile off of Highway #1 about 100 feet S.W. of Molera Road.

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	252	14	1/4
252	360	10	3/16
360	370	10	3/16
370	610	10	3/16

Type and size of shoe or well ring
Describe joint Collars Welded

If gravel packed

Diameter of Bore	from ft.	to ft.
~~24~~ 13 3/4	0	610

Size of gravel: 3/8" Appx.

(7) PERFORATIONS:

Type of perforator used Factory punched
Size of perforations 1 1/2 in., length, by 5/32 in.

From ft.	to ft.	Perf. per row	Rows per ft.
~~252~~	~~360~~		
252	610		

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 252 ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata

From ft.	to ft.	
0	252	Cemented between casing & bore.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.
...ding level before perforating ft.
...ding level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 610 ft. Depth of completed well 610 ft.
Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	
0	4	Top soil
4	15	Yellow sandy clay
~~15~~	~~20~~	Sand
~~20~~	~~112~~	Blue mucky clay
~~112~~	~~135~~	Sand, streaks of clay
~~135~~	~~203~~	Coarse and fine sand gravel
~~203~~	~~225~~	Sand gravel yellow clay
~~225~~	~~248~~	Yellow sandy clay
~~248~~	~~271~~	Yellow and red sandy clay
~~271~~	~~361~~	Yellow sandy clay, sand gravel
~~361~~	~~384~~	Coarse sand gravel, yellow sandy clay
~~384~~	~~406~~	Hard red sandy shells, yellow sandy clay
~~406~~	~~451~~	White sandy clay, sand gravel
~~451~~	~~542~~	Sand gravel, streaks of clay
~~542~~	~~587~~	Yellow clay, streaks of sand gravel
~~587~~	~~606~~	Sand gravel, yellow clay
~~606~~	~~610~~	Blue clay

Work started 7/13 19 62 Completed 7/24 19 62

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Valley Pump & Drilling Co.
(Person, firm, or corporation) (Type or printed)
Address P.O. Box 157 1263 Abbott St. Salinas, California

[SIGNED] [signature]
Well Driller

License No. 206267 Dated July 26, 19 62

57025 6-57 50M QUIN △ SPO

DWR 188 (REV. 3-54)

161

FC 14326

ORIGINAL
File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. # 3 (Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

33 1026

Do Not Fill In
No 68495
State Well No. 14S/2E-2E2
Other Well No. 14S/2E-2E2

(1) OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Monterey Owner's number, if any—
R. F. D. or Street No. Approx. 5 miles Northwest of Salinas

(3) TYPE OF WORK (*check*):

New well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary [ ]
Cable [X]
Dug Well [ ]

(6) CASING INSTALLED:

SINGLE [ ] DOUBLE [X]

From ft.	to ft.	Diam.	Gage or Wall
0	532	12	12

Type and size of shoe or well ring 12x10x3/4
Describe joint loose

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Tool
Size of perforations in., length, by in.

From ft.	to ft.	Perf. per row	Rows per ft.
223	527		

(8) CONSTRUCTION:

Was a surface sanitary seal provided? [ ] Yes [ ] No To what depth ft.
Were any strata sealed against pollution? [ ] Yes [ ] No If yes, note depth of strata

From ft.	to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found 223 ft.
Static level before perforating 80 ft.
Static level after perforating 80 ft.

(10) WELL TESTS:

Was a pump test made? [ ] Yes [ ] No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? [ ] Yes [ ] No
Was electric log made of well? [ ] Yes [ ] No

(11) WELL LOG:

Total depth 532 ft. Depth of completed well 532 ft.
Formation: *Describe by color, character, size of material, and structure.*

0 ft. to	3 ft.	black soil
3 "	48 "	brown clay, some sand
48 "	64 "	yellow clay
64 "	159 "	blue clay
159 "	201 "	sand some clay
201 "	223 "	yellow clay
223 "	232 "	clay, sand, & gravel
232 "	369 "	yellow clay
369 "	382 "	clay, sand, small gravel
382 "	414 "	yellow clay
414 "	420 "	blue clay
420 "	434 "	brown clay
434 "	442 "	sand, gravel & clay
442 "	449 "	yellow clay
449 "	482 "	sand, gravel & clay
482 "	492 "	clay & sand
492 "	531 "	gravel & sand
531 "	532 "	yellow clay

Work started Oct. 27 19 61. Completed Nov. 21 1961

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME C. F. Dougherty (Person, firm, or corporation) (Typed or printed)
Address 59 Nacional
Salinas, California
[SIGNED] C. F. Dougherty (Well Driller)
License No. 142509 Dated Jan 14, 1962

Water Code Section 7076.

162

ORIGINAL
File Original, Duplicate and Triplicate with the
DIVISION OF WATER RESOURCES
P. O. BOX 1079
SACRAMENTO 5, CALIFORNIA

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS

DIVISION OF WATER RESOURCES

Do Not Fill In 360
State Well No. ~~13/2E-19~~
Other Well No. 14S/2E-5C2
Region 1-C-65

(1) DRILLER: (person, firm, or corporation)
Name [redacted] C 14355
Address

OWNER:
Name Frances Molera
Address Castroville

(2) Proposed Use (*Check*)
Domestic ☐ Industrial ☐
Irrigation ☒ Test Well ☐
Municipal ☐ Other ☐

Equipment
Rotary ☐
Cable ☐
Dug Well ☐
Other ☐

(3) CASING:

ft. of	in	lb./ga. casing	left in well
50 ft. of 18	in 12	lb./ga. casing	left in well
332 " 16	" 10	" "	" " "
576 " 12	" 12	" "	" " "

Type and size of shoe or well ring

(4) PERFORATIONS:
Type of perforator used

Perforated	ft. to	ft.	holes per	in.
446		466		
494		514		
518		522		

Diameter of perforations in., length in.

(5) WATER LEVELS:
Was electric log made of well? ☐ Yes ☐ No If yes, attach copy.
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.
Note your observation of any change in water level while drilling
Was a surface sanitary seal provided?

(6) WELL PUMPING TEST:
Capacity gal./min. ft. draw down
Was well gravel packed?
...e any strata sealed against pollution?
...perature Was a chemical analysis made? Attach copy
...abandoned was well capped?

(7) TYPE OF WORK (*check*):
New well ☒ Reconditioning of well ☐
Deepening existing well ☐

(8) LOCATION OF WELL:
County Monterey
R. F. D. or Street No. Just Southwest of Molera Road at a point 1250 feet Northwest from its intersection with State Highway 1

(9) WELL LOG:
Total depth of well 576
Formation: Mention size of water gravel—

ft. to	ft.	Formation
0	2	Sediment
2	4	Black Adobe
4	18	Sediment
18	149	Blue clay
149	178	Blue sand & fine gravel
178	238	Sand & gravel
238	244	Clay & gravel
244	250	Sand & fine gravel
250	261	Clay & fine gravel
261	284	White clay
284	315	Red sand
315	326	Red sand stone
326	337	Yellow clay
337	364	Yellow clay & sand
364	374	White clay
374	381	Sand
381	384	Clay and gravel
384	408	Clay
408	411	Blue clay
411	426	White clay
426	437	Sand, clay & fine gravel
437	441	Sand & gravel
441	444	Clay
446	466	Sand & gravel
466	472	Sand
472	473	Clay
473	488	Coarse & fine sand, some gravel
488	489	Clay
489	494	Sand & fine gravel
494	514	Sand & gravel
514	518	Clay
518	522	Sand & gravel
522	526	Sand, clay & gravel
526	528	Sand & fine gravel
528	570	Sand & fine gravel
570	576	Yellow clay

Work started 19 Completed 19
Date of Report , 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] Well Driller
By Roy Alsop
License No. 132870 Classification C - 57
Dated December 3, 1953

46370 7-51 30M QUIN SPO

DUPLICATE
Driller's Copy
Page 1 of 2

14S/02E-20B03

EC 21655

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 419777

DWR USE ONLY — DO NOT FILL IN
14S/02E-20B03
STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

14S/02E-20T5D
APN/TRS/OTHER

Owner's Well No. 701471
Date Work Began 06/18/97 , Ended 06/26/97
Local Permit Agency MONTEREY COUNTY DEPARTMENT OF HEALTH
Permit No. WSAL 97-067 Permit Date 04/07/97

G1

WELL OWNER PRESSURE-DEEP

Name [redacted]
Mailing Address
CITY STATE ZIP

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	3	TOP SOIL
3	60	CLEAN HOLE
60	90	SAND
90	100	SANDY CLAY AND CLAY
100	120	BLUE CLAY AND SANDY CLAY
120	155	CLAY
155	160	SANDY CLAY AND SAND
160	180	SAND AND GRAVEL
180	200	SAND
200	220	CLAY
220	230	CLAY AND SAND
230	240	SAND AND GRAVEL
240	245	SAND
245	255	CLAY
255	260	SAND
260	280	SAND AND LITTLE CLAY
280	345	SAND AND GRAVEL
345	360	CLAY
360	380	CLAY AND SAND
380	400	BROWN AND BLUE CLAY
400	480	CLAY
480	520	CLAY AND SANDY CLAY
520	540	CLAY AND GRAVEL
540	560	CLAY AND SAND
560	562	SAND
562	600	SANDY CLAY
600	640	CLAY AND FINE SANDY CLAY
640	655	CLAY
655	660	SAND

RECEIVED FEB 17 1998 ENV. HEALTH/WAT. RES

TOTAL DEPTH OF BORING 840 (Feet)
TOTAL DEPTH OF COMPLETED WELL 825 (Feet)

WELL LOCATION

Address 14811 DEL MONTE AVE.
City MONTEREY
County MONTEREY
APN Book 175 Page 011 Parcel 041
or Township ___ Range ___ Section ___
or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. W.

LOCATION SKETCH

NORTH
SEE ATTACHED
Elevation: 117 ft ags.
Pump
Del Monte Rd.
WEST
EAST
Well
SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USE (✓)
___ MONITORING
WATER SUPPLY
X Domestic
___ Public
___ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD REVERSE ROTARY FLUID WATER

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL 162.25 (Ft.) & DATE MEASURED 08/18/97
ESTIMATED YIELD* 250 (GPM) & TEST TYPE PUMP
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN 19.33 (Ft.)
** May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	50	32			X		STEEL	.250	STAINLESS .040	
0	670	22	X				STEEL	.250	STAINLESS	
670	730	22		X			STEEL	.250	STAINLESS .040	
730	785	22	X				STEEL	.250	STAINLESS	
785	805	22		X			STEEL	.250	STAINLESS .040	
805	825	22	X				STEEL	.250	STAINLESS	

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	650	XX			
650	840			XX	8X16

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

NAME MAGGIORA BROS. DRILLING, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 595 AIRPORT BLVD. CITY WATSONVILLE, CA STATE 95076 ZIP 249957

Signed ___ DATE SIGNED 11/14/97
WELL DRILLER/AUTHORIZED REPRESENTATIVE
C-57 LICENSE NUMBER

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

QUADRUPLICATE
For Local Requirements

Page ___ of ___

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. 0911505

DWR USE ONLY — DO NOT FILL IN
14S/02E-07J03
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
14S/02E-07J03
APN/TRS/OTHER

Owner's Well No. 11155-1
Date Work Began 1/17/2005 , Ended 5/11/2005
Local Permit Agency MONTEREY CO. ENV. HEALTH DEPT
Permit No. 04-09527 Permit Date 12/8/2004

WELL OWNER PRESSURE-DEEP
Name [redacted]
Mailing Address [redacted]
City [redacted] STATE ZIP

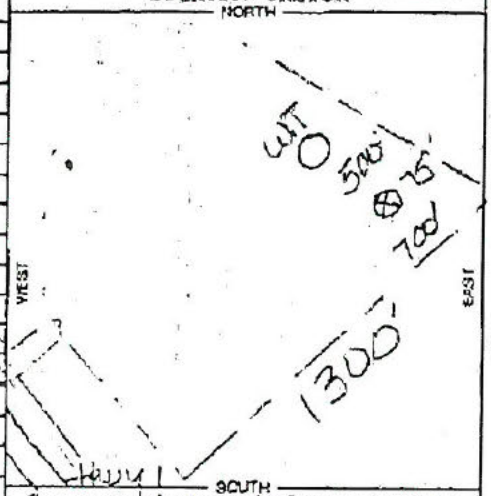
WELL LOCATION
Address 315 NEPONSET ROAD
City MARINA
County MONTEREY
APN Book 229 Page 011 Parcel 005
Township ___ Range ___ Section ___
Lat ___ N DEG. MIN. SEC. Long ___ W DEG. MIN. SEC.

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD MUD ROTARY FLUID WATER/BENT

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION Describe material, grain size, color, etc.
0	0.5	ASPHALT & BASE ROCK
0.5	20	BRN SAND
20	60	BRN. SANDY CLAY
60	210	SAND & GRAVEL
210	240	GRAVEL
240	270	GRAY CLAY & GRAVEL
270	300	GRAY CLAY
300	390	SANDY CLAY & GRAVEL
390	420	SAND & GRAVEL
420	430	SAND
430	510	SAND & GRAVEL
510	570	SANDY CLAY
570	630	SAND
630	660	SAND & GRAVEL
660	840	SANDY CLAY
840	900	CLAY
900	930	SANDY CLAY
930	1020	CLAY
1020	1260	CLAY & GRAVEL
1260	1290	SAND & CLAY
1290	1380	CLAY
1380	1410	SANDY CLAY
1410	1440	CLAY
1440	1595	SAND & CLAY

TOTAL DEPTH OF BORING 1595 Feet)
TOTAL DEPTH OF COMPLETED WELL 1573 (Feet)

LOCATION SKETCH


Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
✓ NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

USES (✓)
WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ✓ Industrial
MONITORING ___
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 25.5 (Ft.) & DATE MEASURED 05-11-05
ESTIMATED YIELD * 700 (GPM) & TEST TYPE PUMP
TEST LENGTH 4 (Hrs.) TOTAL DRAWDOWN 112.2 (Ft.)
* May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	NOT KNOWN	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
SEE ATTACHED										

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	1380	XX			10 sack
1380	1595			XX	8 x 16

ATTACHMENTS (✓)

___ Geologic Log
✓ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME MAGGIORA BROS. DRILLING INC
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

595 AIRPORT BLVD WATSONVILLE CA 95076
ADDRESS CITY STATE ZIP

Signed [signature] 6-14-05
C-57 LICENSED WATER WELL CONTRACTOR DATE SIGNED C-57 LICENSE NUMBER 249357

DWR 188 REV. 03-01) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

FC 22833

14S/02E-03P01

1/3

QUADRUPLICATE
For Local Requirements

Page 1 of 3

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. e032789

DWR USE ONLY — DO NOT FILL IN
14S/02E-03P01
STATE WELL NO / STATION NO
LATITUDE LONGITUDE
14S/02E-03P01
APN/TRS/OTHER

Owner's Well No. Knight Ranch

Date Work Began 9/28/2005 Ended 1/31/2006

Local Permit Agency Monterey Co. Health Dept.

Permit No. 05-0578 Permit Date 9/20/2005

ENVIRONMENTAL HEALTH
FEB 2006
HEALTH DEPARTMENT

Pressure 400

GEOLOGIC LOG

ORIENTATION ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)

DRILLING METHOD CABLE FLUID Water

DEPTH FROM SURFACE Ft	to Ft	DESCRIPTION *Describe material, grain, size, color, etc*
0	40	Top soil
40	52	Blue sand
52	56	Brown sand
56	60	White sand
60	68	Sand w/clay gravel
68	72	Gravel w/sand - pea
72	112	Blue clay
112	116	Sandy blue clay
116	118	Blue shale
118	120	Blue sand - some gravel
120	128	Sand & gravel
128	140	Sand
140	148	Sand & gravel
148	152	Gravel & rock
152	154	Sand & gravel
154	164	Sand & gravel
164	172	Rock
172	188	Sand & pea gravel
188	190	Sand
190	192	Sandy yellow clay
192	202	Yellow clay - hard
202	276	Sand w/some pea gravel
276	286	Sandy yellow clay
286	288	Hard yellow clay
288	302	Yellow clay
302	308	Sand w/yellow clay
308	314	Sand
314	322	Sand w/small gravel
322	338	Yellow clay - hard
338	364	Gravely clay

TOTAL DEPTH OF BORING 614 (Feet)

TOTAL DEPTH OF COMPLETED WELL 614 (Feet)

RECEIVED
MAR 21 2006
RESOURCE PROTECTION

3-22-06

WELL OWNER

Name [redacted]

Mailing Address [redacted]

CITY [redacted] STATE [redacted] ZIP

WELL LOCATION

Address Hwy. 183

City Salinas 93907 CA

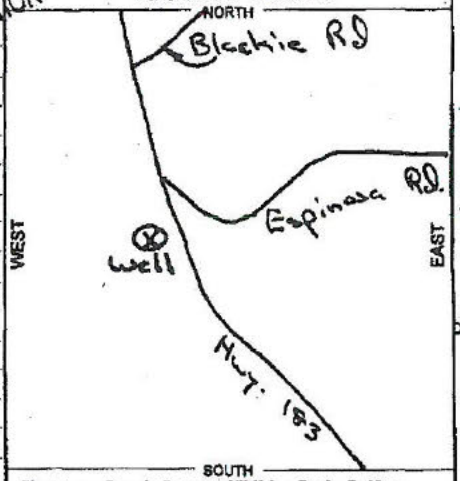
County Monterey

APN Book 135 Page 081 Parcel 006

Township ____ Range ____ Section ____

Latitude ____ DEG MIN SEC ____ DEG MIN SEC

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc and attach a map Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

✓ NEW WELL

MODIFICATION/REPAIR
— Deepen
— Other (Specify)

— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG"

PLANNED USES (✓)

WATER SUPPLY
— Domestic — Public
✓ Irrigation — Industrial

— MONITORING
— TEST WELL
— CATHODIC PROTECTION
— HEAT EXCHANGE
— DIRECT PUSH
— INJECTION
— VAPOR EXTRACTION
— SPARGING
— REMEDIATION
— OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 46 (Ft) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 46 (Ft) & DATE MEASURED 2/15/2006

ESTIMATED YIELD * 1350 (GPM) & TEST TYPE Pump

TEST LENGTH 26 (Hrs) TOTAL DRAWDOWN 142 (Ft)

May not be representative of a well's long-term yield

CASING (S)

DEPTH FROM SURFACE Ft	to Ft	BORE-HOLE DIA (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	72	24			✓		STEEL	24	10ga sgl	10ga sgl
0	338	20			✓		STEEL	20	10ga dbl	10ga dbl
0	214	16	✓				STEEL	16	10ga dbl	10ga dbl
214	614	16	✓				STEEL	16	8/10 dbl	8/10 dbl
478	490			✓					25x3.5	.25x3.5
512	522			✓					.25X3.5	.25X3.5

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft	to Ft	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	338	✓			

ATTACHMENTS (✓)

— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

NAME Roy Alsop Pump and Drilling, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

1508 Abbott Street ADDRESS Salinas CITY CA STATE 93901 ZIP

Signed [signature] WELL DRILLER/AUTHORIZED REPRESENTATIVE

03/18/06 DATE SIGNED

C57-569945 C-57 LICENSE NUMBER

DWR 188 REV 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Copy to WR 3-23-06

Appendix D

Groundwater Level Data from August 2020 Monitoring Event

Appendix D

Groundwater Level Data from August 2020 Monitoring Event

Facility Code	State Well ID	Sample Date	Groundwater Elevation (ft-msl)	Measurement Method	Basin/Aquifer	Well In Project Area?
56	15S/04E-15P02	30-Aug-20	-40.8	Electronic sounder	Eastside Shallow and Deep Aquifers	no
57	14S/03E-08Q03	15-Aug-20	-93	Sonic Depth Meter	Eastside Shallow and Deep Aquifers	no
118	13S/02E-33R01	30-Aug-20	-10.5	Steel tape	180-Foot Aquifer	yes
147	15S/03E-13N01	31-Aug-20	-2.4	Steel tape	180-Foot Aquifer	no
183	15S/03E-09E03	30-Aug-20	-19.1	Steel tape	180-Foot Aquifer	no
239	14S/02E-08M02	30-Aug-20	-12.7	Electronic sounder	400-Foot Aquifer	yes
331	14S/02E-36E01	30-Aug-20	-26.6	Steel tape	180-Foot Aquifer	yes
341	14S/03E-31P01	15-Aug-20	-27	Sonic Depth Meter	400-Foot Aquifer	no
353	14S/02E-16A02	30-Aug-20	-35	Steel tape	400-Foot Aquifer	no
374	14S/03E-31L01	15-Aug-20	-26	Sonic Depth Meter	400-Foot Aquifer	no
375	15S/03E-04Q01	15-Aug-20	-29	Sonic Depth Meter	400-Foot Aquifer	no
388	15S/03E-14P02	30-Aug-20	-21.9	Steel tape	400-Foot Aquifer	no
393	15S/03E-14M03	30-Aug-20	-19.8	Steel tape	400-Foot Aquifer	no
406	15S/04E-08C01	30-Aug-20	-62.9	Electronic sounder	Eastside Shallow Aquifer	no
499	14S/03E-25L02	30-Aug-20	-94.8	Sonic Depth Meter	Eastside Shallow and Deep Aquifers	no
535	15S/03E-27K02	15-Aug-20	-10	Sonic Depth Meter	400-Foot Aquifer	no
536	15S/03E-05C02	15-Aug-20	-29	Sonic Depth Meter	400-Foot Aquifer	no
577	15S/03E-03N02	15-Aug-20	-35	Sonic Depth Meter	400-Foot Aquifer	no
587	14S/02E-07A01	30-Aug-20	-10.4	Steel tape	400-Foot Aquifer	no
595	14S/03E-33G01	15-Aug-20	-32	Sonic Depth Meter	180-Foot Aquifer	no
598	15S/03E-22G01	30-Aug-20	-1.4	Steel tape	180-Foot Aquifer	no
648	15S/03E-26F01	31-Aug-20	-7.1	Steel tape	180-Foot Aquifer	no
671	14S/03E-21L01	15-Aug-20	-65	Sonic Depth Meter	400-Foot Aquifer	no
674	14S/03E-21E03	15-Aug-20	-67	Sonic Depth Meter	400-Foot Aquifer	no
685	15S/03E-02G01	15-Aug-20	-47	Sonic Depth Meter	400-Foot Aquifer	no
716	15S/04E-05C50	15-Aug-20	-73	Sonic Depth Meter	Eastside Shallow and Deep Aquifers	no
752	14S/03E-15H03	30-Aug-20	-115.6	Electronic sounder	Eastside Shallow and Deep Aquifers	no
766	14S/02E-22P02	30-Aug-20	-18.8	Steel tape	180-Foot Aquifer	yes
773	15S/04E-27G01	30-Aug-20	-4.3	Electronic sounder	Eastside Shallow and Deep Aquifers	no
806	14S/04E-31Q02	14-Aug-20	-85.4	Electronic sounder	Eastside Shallow and Deep Aquifers	no
861	14S/02E-15P01	30-Aug-20	-21.3	Steel tape	400-Foot Aquifer	yes
862	14S/02E-21L01	30-Aug-20	-13.1	Steel tape	180-Foot Aquifer	yes
872	15S/03E-22A02	30-Aug-20	-33.2	Steel tape	400-Foot Aquifer	no
876	14S/03E-19Q02	30-Aug-20	-30.8	Steel tape	180-Foot Aquifer	yes
882	14S/02E-03K02	30-Aug-20	-65.5	Steel tape	400-Foot Aquifer	yes

Appendix D

Groundwater Level Data from August 2020 Monitoring Event

Facility Code	State Well ID	Sample Date	Groundwater Elevation (ft-msl)	Measurement Method	Basin/Aquifer	Well In Project Area?
888	15S/02E-02G01	30-Aug-20	-38.1	Steel tape	400-Foot Aquifer	yes
936	14S/03E-24R02	14-Aug-20	-107.9	Electronic sounder	Eastside Shallow and Deep Aquifers	no
996	15S/03E-09J02	30-Aug-20	-35.7	Steel tape	400-Foot Aquifer	no
1007	15S/03E-15B01	31-Aug-20	-24.6	Steel tape	400-Foot Aquifer	no
1020	15S/04E-31A02	31-Aug-20	18	Steel tape	180-Foot Aquifer	no
1022	15S/03E-14C01	31-Aug-20	-13.8	Steel tape	180-Foot Aquifer	no
1055	14S/02E-15A01	30-Aug-20	-51	Steel tape	400-Foot Aquifer	yes
1060	14S/02E-34A03	30-Aug-20	-27.5	Electronic sounder	400-Foot Aquifer	yes
1076	14S/02E-10C01	30-Aug-20	-47.2	Steel tape	400-Foot Aquifer	yes
1098	14S/02E-35L02	30-Aug-20	-34.8	Steel tape	400-Foot Aquifer	yes
1139	14S/02E-07K01	30-Aug-20	-12.7	Steel tape	400-Foot Aquifer	yes
1147	14S/03E-29F03	15-Aug-20	-52.5	Sonic Depth Meter	400-Foot Aquifer	no
1148	14S/03E-32N04	15-Aug-20	-31.5	Sonic Depth Meter	400-Foot Aquifer	no
1157	14S/02E-05K01	30-Aug-20	-17.7	Electronic sounder	400-Foot Aquifer	yes
1162	14S/02E-05C03	30-Aug-20	-17.2	Steel tape	400-Foot Aquifer	yes
1167	14S/03E-07A01	30-Aug-20	-32.8	Electronic sounder	Eastside Shallow Aquifer	no
1169	14S/02E-05F04	30-Aug-20	-22.3	Steel tape	400-Foot Aquifer	yes
1182	15S/03E-13G04	30-Aug-20	-13.65	Steel tape	Eastside Shallow Aquifer	no
1212	14S/02E-34B03	30-Aug-20	-19	Steel tape	180-Foot Aquifer	yes
1217	14S/03E-36P02	30-Aug-20	-74.5	Steel tape	Eastside Shallow and Deep Aquifers	no
1346	14S/04E-30R01	30-Aug-20	-78.2	Electronic sounder	Eastside Shallow Aquifer	no
1359	15S/03E-16M01	30-Aug-20	-11.7	Steel tape	180-Foot Aquifer	no
1466	14S/02E-08C03	30-Aug-20	-22.6	Steel tape	400-Foot Aquifer	yes
1494	15S/03E-25Q01	31-Aug-20	0.6	Steel tape	180-Foot Aquifer	no
1523	14S/02E-09H03	30-Aug-20	-30.6	Electronic sounder	400-Foot Aquifer	no
1577	14S/03E-36A01	30-Aug-20	-79	Electronic sounder	Eastside Shallow Aquifer	no
1593	13S/02E-29F02	30-Aug-20	-12	Electronic sounder	400-Foot Aquifer	yes
1595	15S/04E-16E02	30-Aug-20	-44.7	Electronic sounder	Eastside Shallow Aquifer	no
1599	15S/04E-15D02	30-Aug-20	-43.4	Electronic sounder	Eastside Shallow and Deep Aquifers	no
1682	13S/02E-31N02	30-Aug-20	-10.9	Steel tape	400-Foot Aquifer	yes
1685	14S/02E-03H01	30-Aug-20	-78.3	Steel tape	400-Foot Aquifer	no
1705	14S/02E-11M03	30-Aug-20	-53	Steel tape	400-Foot Aquifer	yes
1706	14S/02E-02A02	30-Aug-20	-70.7	Steel tape	Eastside Deep Aquifer	yes
1710	14S/02E-06J03	30-Aug-20	-20.2	Steel tape	400-Foot Aquifer	yes
1715	14S/02E-01C01	30-Aug-20	-78.2	Steel tape	Eastside Deep Aquifer	yes

Appendix D

Groundwater Level Data from August 2020 Monitoring Event

Facility Code	State Well ID	Sample Date	Groundwater Elevation (ft-msl)	Measurement Method	Basin/Aquifer	Well In Project Area?
1716	14S/02E-02C03	30-Aug-20	-62.9	Steel tape	400-Foot Aquifer	no
1720	13S/02E-27P01	30-Aug-20	-54.7	Steel tape	400-Foot Aquifer	yes
1726	15S/04E-06R01	30-Aug-20	-69.8	Electronic sounder	Eastside Shallow and Deep Aquifers	no
1794	14S/03E-31F02	30-Aug-20	-26.5	Steel tape	400-Foot Aquifer	yes
1795	15S/03E-06D02	30-Aug-20	-34.6	Steel tape	400-Foot Aquifer	no
1803	15S/03E-28A01	15-Aug-20	-19	Sonic Depth Meter	400-Foot Aquifer	no
1807	14S/03E-22E01	15-Aug-20	-102	Sonic Depth Meter	Eastside Deep Aquifer	no
1808	15S/03E-03R02	15-Aug-20	-23	Sonic Depth Meter	400-Foot Aquifer	no
1811	14S/03E-20M02	15-Aug-20	-62	Sonic Depth Meter	400-Foot Aquifer	no
1812	14S/03E-29C01	15-Aug-20	-61	Sonic Depth Meter	400-Foot Aquifer	no
1814	14S/03E-20C01	15-Aug-20	-77	Sonic Depth Meter	400-Foot Aquifer	no
1825	14S/03E-17F01	15-Aug-20	-88	Sonic Depth Meter	Eastside Deep Aquifer	no
1831	14S/03E-09E02	15-Aug-20	-107	Sonic Depth Meter	Eastside Shallow and Deep	no
1835	14S/03E-16M01	15-Aug-20	-93	Sonic Depth Meter	Eastside Deep Aquifer	no
1838	15S/03E-17P02	15-Aug-20	-29	Sonic Depth Meter	400-Foot Aquifer	no
1841	15S/03E-28B02	15-Aug-20	-8	Sonic Depth Meter	400-Foot Aquifer	no
1849	14S/02E-04H01	30-Aug-20	-44.2	Steel tape	400-Foot Aquifer	yes
1851	14S/02E-03M02	30-Aug-20	-48.6	Steel tape	400-Foot Aquifer	yes
1870	14S/04E-30N01	30-Aug-20	-85	Sonic Depth Meter	Eastside Shallow and Deep	no
1877	15S/04E-29Q02	31-Aug-20	10.2	Steel tape	400-Foot Aquifer	no
1965	14S/02E-22L01	30-Aug-20	-28.35	Steel tape	400-Foot Aquifer	yes
1969	14S/03E-22D01	15-Aug-20	-118	Sonic Depth Meter	Eastside Deep Aquifer	no
1974	14S/03E-24H01	30-Aug-20	-103.6	Electronic sounder	Eastside Shallow Aquifer	no
2208	15S/04E-19G50	30-Aug-20	-29.5	Steel tape	Eastside Shallow and Deep Aquifers	no
2211	15S/04E-05C51	15-Aug-20	-75	Sonic Depth Meter	Eastside Shallow and Deep Aquifers	no
2260	15S/04E-17P02	30-Aug-20	-34.4	Steel tape	Eastside Shallow Aquifer	no
2315	14S/03E-18E03	30-Aug-20	-10.2	Electronic sounder	180-Foot Aquifer	no
2325	15S/03E-27E04	15-Aug-20	-10.5	Sonic Depth Meter	400-Foot Aquifer	no
2428	15S/03E-27E02	15-Aug-20	-10.5	Sonic Depth Meter	400-Foot Aquifer	no
2429	13S/02E-32J03	30-Aug-20	-19	Electronic sounder	400-Foot Aquifer	yes
2432	13S/02E-21N01	30-Aug-20	-15.7	Steel tape	400-Foot Aquifer	yes
2445	13S/02E-34G01	15-Aug-20	-63	Sonic Depth Meter	400-Foot Aquifer	yes
2447	13S/02E-34M01	15-Aug-20	-57	Sonic Depth Meter	400-Foot Aquifer	yes
2657	14S/02E-10P01	30-Aug-20	-18.2	Electronic sounder	180-Foot Aquifer	yes
2659	14S/02E-09D04	30-Aug-20	-24.75	Electronic sounder	400-Foot Aquifer	no

Appendix D

Groundwater Level Data from August 2020 Monitoring Event

Facility Code	State Well ID	Sample Date	Groundwater Elevation (ft-msl)	Measurement Method	Basin/Aquifer	Well In Project Area?
2661	14S/02E-03K01	30-Aug-20	-20.2	Steel tape	180-Foot Aquifer	yes
2662	14S/02E-15K01	30-Aug-20	-30.8	Electronic sounder	400-Foot Aquifer	yes
2697	13S/02E-20J01	30-Aug-20	-12	Steel tape	400-Foot Aquifer	yes
2718	14S/02E-17B03	30-Aug-20	-17.3	Electronic sounder	400-Foot Aquifer	no
2784	14S/02E-21F02	30-Aug-20	-5.3	Electronic sounder	180-Foot Aquifer	no
2791	14S/02E-21N01	30-Aug-20	-20.9	Steel tape	400-Foot Aquifer	no
2796	14S/02E-23F50	30-Aug-20	-36.6	Steel tape	400-Foot Aquifer	no
10145	13S/02E-27L01	30-Aug-20	-15	Electronic sounder	400-Foot Aquifer	no
10156	13S/02E-30A01	30-Aug-20	-8.9	Electronic sounder	400-Foot Aquifer	yes
10161	13S/02E-32A02	30-Aug-20	-6.09	Electronic sounder	400-Foot Aquifer	no
10208	14S/02E-13B02	30-Aug-20	-22.1	Electronic sounder	180-Foot Aquifer	no
10234	14S/02E-26P01	30-Aug-20	-27.7	Electronic sounder	180-Foot Aquifer	yes
10235	14S/02E-27G02	30-Aug-20	-18.7	Electronic sounder	180-Foot Aquifer	no
10254	14S/03E-06L01	30-Aug-20	-27.2	Electronic sounder	Eastside Shallow Aquifer	no
10269	14S/03E-19G01	30-Aug-20	-24.8	Electronic sounder	180-Foot Aquifer	no
10280	14S/03E-31F01	30-Aug-20	-22	Steel tape	180-Foot Aquifer	yes
10389	16S/04E-15D01	30-Aug-20	47.6	Transducer	180-Foot and 400-Foot Aquifers	no
13020	13S/02E-29D04	30-Aug-20	-2.5	Electronic sounder	180-Foot Aquifer	no
14455	14S/02E-12B02	30-Aug-20	-15.7	Transducer	180-Foot Aquifer	no
14456	14S/02E-12B03	30-Aug-20	-62.7	Transducer	400-Foot Aquifer	no
14468	14S/02E-13F02	30-Aug-20	-50.8	Electronic sounder	400-Foot Aquifer	no
14469	14S/02E-13F03	30-Aug-20	-20.3	Electronic sounder	180-Foot Aquifer	no
14478	14S/02E-11A02	30-Aug-20	-14.4	Electronic sounder	180-Foot Aquifer	no
14480	14S/02E-11A04	30-Aug-20	-63.7	Electronic sounder	400-Foot Aquifer	no
14531	14S/02E-20B02	30-Aug-20	-7.9	Transducer	180-Foot Aquifer	no
15009	14S/03E-18C01	30-Aug-20	7.3	Transducer	180-Foot Aquifer	no
15010	14S/03E-18C02	30-Aug-20	-39.5	Transducer	400-Foot Aquifer	no
15014	14S/03E-18E04	30-Aug-20	-43.5	Electronic sounder	400-Foot Aquifer	no
15760	15S/03E-06K01	30-Aug-20	-28.6	Electronic sounder	400-Foot Aquifer	no
21205	16S/04E-08H03	30-Aug-20	42.5	Transducer	400-Foot Aquifer	no
21206	16S/04E-08H02	17-Aug-20	36.4	Electronic sounder	400-Foot Aquifer	no
21550	14S/02E-23A02	30-Aug-20	-42.5	Steel tape	400-Foot Aquifer	no
21699	14S/02E-32D06	31-Aug-20	-12.2	Electronic sounder	180-Foot Aquifer	no
22609	15S/03E-04M51	15-Aug-20	-35	Sonic Depth Meter	400-Foot Aquifer	no
22618	14S/03E-25C01	30-Aug-20	-100.5	Transducer	Eastside Deep Aquifer	no

Appendix D

Groundwater Level Data from August 2020 Monitoring Event

Facility Code	State Well ID	Sample Date	Groundwater Elevation (ft-msl)	Measurement Method	Basin/Aquifer	Well In Project Area?
22619	14S/03E-25C02	30-Aug-20	-67.7	Transducer	Eastside Shallow Aquifer	no
22632	14S/02E-27A01	30-Aug-20	-19.1	Transducer	180-Foot Aquifer	yes
22633	13S/02E-21Q01	30-Aug-20	6.95	Electronic sounder	180-Foot Aquifer	yes
22635	14S/02E-03F03	30-Aug-20	-41.9	Transducer	400-Foot Aquifer	yes
22636	14S/02E-03F04	30-Aug-20	-12.6	Transducer	180-Foot Aquifer	yes
22650	14S/03E-30G08	30-Aug-20	-30.1	Transducer	180-Foot Aquifer	yes
22651	14S/02E-26H01	30-Aug-20	-25.9	Transducer	180-Foot Aquifer	yes
22667	14S/03E-22J50	31-Aug-20	-98.3	Sonic Depth Meter	Eastside Shallow and Deep	no
22801	13S/02E-35H01	30-Aug-20	-61.3	Electronic sounder	400-Foot Aquifer	no
22995	14S/03E-10E51	15-Aug-20	-124	Sonic Depth Meter	Eastside Deep Aquifer	no
23015	14S/03E-32R52	15-Aug-20	-50	Sonic Depth Meter	400-Foot Aquifer	no
23285	14S/03E-20A51	15-Aug-20	-78	Sonic Depth Meter	Eastside Deep Aquifer	no
24588	15S/03E-12F03	17-Aug-20	-59.7	Steel tape	Eastside Deep Aquifer	no
25554	13S/02E-27H01	15-Aug-20	-47	Sonic Depth Meter	Eastside Deep Aquifer	no
26234	MW-1M	28-Aug-20	4.4	Transducer	180-Foot Aquifer	no
26235	MW-1D	28-Aug-20	-8.57	Transducer	400-Foot Aquifer	no
26237	MW-3M	28-Aug-20	4.35	Transducer	180-Foot Aquifer	no
26238	MW-3D	28-Aug-20	-8.85	Transducer	400-Foot Aquifer	no
26240	MW-4M	27-Aug-20	0.87	Transducer	180-Foot Aquifer	no
26241	MW-4D	27-Aug-20	-8.66	Transducer	400-Foot Aquifer	no
26243	MW-5M	28-Aug-20	-2.49	Transducer	180-Foot Aquifer	no
26244	MW-5D	28-Aug-20	-12.71	Transducer	400-Foot Aquifer	no
26246	MW-6M	28-Aug-20	-16.78	Transducer	180-Foot Aquifer	no
26247	MW-6M(L)	28-Aug-20	-17.77	Transducer	180-Foot Aquifer	no
26249	MW-7M	27-Aug-20	-1.16	Transducer	180-Foot Aquifer	no
26250	MW-7D	27-Aug-20	-9.6	Transducer	400-Foot Aquifer	no
26252	MW-8M	28-Aug-20	-2.29	Transducer	180-Foot Aquifer	no
26253	MW-8D	28-Aug-20	-9.74	Transducer	400-Foot Aquifer	no
26255	MW-9M	28-Aug-20	-7.47	Transducer	180-Foot Aquifer	no
26256	MW-9D	28-Aug-20	-13.52	Transducer	400-Foot Aquifer	no
26594	15S/02E-03B05	30-Aug-20	-14.9	Steel tape	400-Foot Aquifer	no

Appendix E

Water Quality Data

Appendix E

Water Quality Data from Wells in and near the Project Area

June 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
75	13S/02E-19Q03	Deep Aquifers	0.5	143	21	403	1680	9.6	12	297	45	947	8.1
113	14S/02E-26J03	400-Foot Aquifer	0.5	231	257	515	2390	72	5.9	100	255	1440	7.5
214	14S/03E-07D50	Eastside Deep Aquifer	56	188	106	214	1190	30	2.6	73	26	885	7.2
331	14S/02E-36E01	180-Foot Aquifer	1.1	334	148	137	1720	50	6	152	391	1347	7.6
370	14S/02E-36G01	400-Foot Aquifer	5.3	343	210	160	1880	53	6.6	121	441	1350	7.5
446	14S/02E-26C50	400-Foot Aquifer	0.5	157	580	1600	5300	165	8.2	157	167	4350	7.5
521	13S/02E-15M01	400-Foot Aquifer	0.8	143	26	46	439	13	1.7	43	7.8	270	7.9
625	14S/03E-30F01	180-Foot Aquifer	185	335	80	295	2260	186	185	172	354	1510	7.3
659	14S/02E-10N51	400-Foot Aquifer	2.7	143	57	127	783	20	3.1	66	47	495	7.6
717	14S/02E-27F02	180-Foot Aquifer	2.6	223	99	148	1060	29	4.1	75	104	665	7.7
723	15S/02E-02A01	180-Foot Aquifer	1	174	91	55	778	21	3.6	36	149	555	7.5
757	14S/02E-26N03	180-Foot Aquifer	2.4	271	109	78	987	26	3.8	51	131	640	7.9
766	14S/02E-22P02	180-Foot Aquifer	33	184	102	169	1100	31	3.4	62	81	740	7.6
772	15S/02E-03C01	180-Foot Aquifer	12	312	123	85	1360	41	3.8	104	275	950	7.7
780	14S/02E-10M02	400-Foot Aquifer	2.7	138	58	119	746	20	2.7	58	47	490	7.5
859	14S/02E-15N01	400-Foot Aquifer	23	142	134	339	1530	46	4.3	79	77	1180	7.5
861	14S/02E-15P01	400-Foot Aquifer	2.4	121	175	571	2120	67	4.7	107	58	161	7.3
862	14S/02E-21L01	180-Foot Aquifer	54	145	134	336	1600	39	4.5	108	87	1040	7.8
876	14S/03E-19Q02	180-Foot Aquifer	222	316	192	298	2050	73	4.2	125	116	1360	7.5
886	14S/02E-24E01	400-Foot Aquifer	42	240	674	1800	6450	241	8.9	179	281	5100	
891	14S/03E-18P51	180-Foot Aquifer	153	232	244	555	2580	84	4.2	112	73	1820	
944	14S/02E-03R02	400-Foot Aquifer	2.8	176	42	82	695	13	2.2	84	49	435	7.6
966	14S/02E-26N50	180-Foot Aquifer	3.2	318	141	95	1160	33	4.4	54	164	793	7.8
1055	14S/02E-15A01	400-Foot Aquifer	3	143	45	78	635	16	2.3	54	56	395	7.6
1060	14S/02E-34A03	400-Foot Aquifer	1.9	165	53	25	582	13	3.1	47	93	400	7.7
1072	14S/02E-34A04	400-Foot Aquifer	2.5	283	221	360	1890	52	5.2	66	138	1440	7.5
1153	13S/02E-31A02	Deep Aquifers	0.5	159	11	231	1100	3.1	4.9	205	27	645	8.4
1212	14S/02E-34B03	180-Foot Aquifer	3.4	111	378	994	3360	93	6.7	81	88	2460	7.4
1282	14S/02E-24P02	400-Foot Aquifer	8.2	228	164	220	1520	44	4.9	79	234	1000	7.4
1534	14S/02E-05R03	400-Foot Aquifer	1.9	157	103	300	1350	38	1.9	3.8	88	38	7.9
1542	14S/03E-30E03	400-Foot Aquifer	283	311	214	296	2440	77	5.9	131	196	1560	7.2
1543	14S/03E-31B01	180-Foot Aquifer	19	345	162	140	1540	51	5.2	94	279	1070	7.5
1685	14S/02E-03H01	400-Foot Aquifer	3	89	235	1120	28	2.4	82	25	740	166	7.3
1698	14S/03E-07K51	Eastside Deep Aquifer	5	152	34	64	550	10	1.4	60	21	325	7.3
1704	14S/02E-10H01	400-Foot Aquifer	2.8	154	55	98	721	17	2.2	68	55	450	7.5
1705	14S/02E-11M03	400-Foot Aquifer	2.4	150	38	48	494	12	1.8	45	28	310	7.4
1706	14S/02E-02A02	Eastside Deep Aquifer	2.9	189	63	112	749	18	2.5	60	17	450	7.5
1716	14S/02E-02C03	400-Foot Aquifer	2.7	172	94	270	1210	28	3.3	95	21	815	7.3
1794	14S/03E-31F02	400-Foot Aquifer	25	314	163	100	1430	46	5.9	93	317	1090	7.7
1849	14S/02E-04H01	400-Foot Aquifer	2.4	176	38	74	633	12	2.1	75	28	395	7.6

Appendix E

Water Quality Data from Wells in and near the Project Area

June 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
1851	14S/02E-03M02	400-Foot Aquifer	2.3	173	33	54	548	10	1.8	66	21	335	7.4
1965	14S/02E-22L01	400-Foot Aquifer	14	148	119	280	1340	41	3.3	63	88	945	7.4
2261	13S/01E-25R01	Deep Aquifers	0.5	179	3.7	42	534	0.6	2.8	114	23	375	8.7
2315	14S/03E-18E03	180-Foot Aquifer	226	304	185	309	2030	61	3	129	77	1480	7.2
2318	15S/02E-01Q50	400-Foot Aquifer	0.5	263	190	148	1500	45	5	59	354	1053	7.4
2408	15S/02E-04C01	180-Foot and 400-Foot Aquifer	16	110	48	86	638	17	2.3	44	52	400	7.4
2409	14S/02E-33Q01	400-Foot Aquifer	23	99	67	110	714	18	2.6	40	57	465	7.4
2410	15S/02E-04A50	400-Foot Aquifer	16	101	46	77	576	15	2.2	40	47	360	7.4
2437	14S/02E-11B01	400-Foot Aquifer	2.1	158	33	54	523	10	1.7	58	23	330	7.4
2445	13S/02E-34G01	400-Foot Aquifer	3.9	193	61	133	852	16	2.6	94	23	510	7.6
2446	13S/02E-28L02	180-Foot and 400-Foot Aquifer	2.3	190	41	69	615	17	2	56	12	375	7.6
2447	13S/02E-34M01	400-Foot Aquifer	1	171	158	562	2140	51	4.8	166	37	1600	7.5
2452	14S/02E-32D04	Deep Aquifers	0.5	114	32	120	704	1.1	4.2	104	39	395	7.9
2453	14S/02E-31H01	Deep Aquifers	0.5	105	22	60	497	5.1	1.8	98	46	300	8.3
2455	13S/02E-28M02	400-Foot Aquifer	1.5	168	44	89	625	18	2.2	53	13	375	7.7
2659	14S/02E-09D04	400-Foot Aquifer	2.2	165	46	96	683	16	2.1	72	31	415	7.4
2697	13S/02E-20J01	400-Foot Aquifer	0.5	178	64	194	1020	29	2.8	89	38	630	8.1
2776	16S/04E-11D51	Eastside Deep Aquifer	11	171	69	36	717	22	2.8	48	140	490	7.8
10229	14S/02E-24Q01	180-Foot Aquifer	221	362	271	451	2880	95	6.6	138	189	2000	7.1
10234	14S/02E-26P01	180-Foot Aquifer	0.5	259	237	398	2350	83	4.5	112	399	1627	7.4
14455	14S/02E-12B02	180-Foot Aquifer	112	232	214	428	2050	66	4.6	63	20	1900	7.1
14456	14S/02E-12B03	400-Foot Aquifer	2.2	173	42	29	439	11	2.1	36	8.7	270	7.7
14468	14S/02E-13F02	400-Foot Aquifer	0.7	154	33	33	398	10	1.7	34	6.6	260	7.1
14469	14S/02E-13F03	180-Foot Aquifer	281	368	327	730	3840	113	6	219	94	3160	7
14478	14S/02E-11A02	180-Foot Aquifer	19										
14480	14S/02E-11A04	400-Foot Aquifer	3	178	40	35	472	12	2.2	41	11	295	7.6
14501	14S/02E-15L02	180-Foot Aquifer	6.8	190	323	1200	4420	110	11	308	180	3700	7.4
15009	14S/03E-18C01	180-Foot Aquifer	168	154	121	134	1140	31	2.1	47	56	960	7.1
15010	14S/03E-18C02	400-Foot Aquifer	33	205	106	142	964	26	2.6	43	27	735	7.1
15014	14S/03E-18E04	400-Foot Aquifer	2.5	184	52	40	500	12	1.9	31	8.7	300	7.2
20769	14S/03E-07P02	180-Foot Aquifer	74	181	100	181	1090	30	2	58	23	785	7.1
21205	16S/04E-08H03	400-Foot Aquifer	21	218	85	33	777	26	3.1	40	123	545	7.5
21208	16S/04E-08H04	180-Foot Aquifer	2.2	144	44	13	438	14	2.2	29	62	305	7.6
21667	14S/02E-17C02	Dune Sand Aquifer	111	326	244	256	2460	73	5	120	382	1610	7.7
22632	14S/02E-27A01	180-Foot Aquifer	32	154	95	147	995	26	4.4	55	99	705	7.4
22633	13S/02E-21Q01	180-Foot Aquifer	134	176	211	808	3280	146	6.3	191	125	2620	6.8
22635	14S/02E-03F03	400-Foot Aquifer	2.8	174	41	63	612	13	2.1	70	39	390	7.4
22650	14S/03E-30G08	180-Foot Aquifer	320	323	250	235	2680	85	7	191	375	1870	7.2

Appendix E
Water Quality Data from Wells in and near the Project Area
June 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
22651	14S/02E-26H01	180-Foot Aquifer	0.6	330	172	192	1830	56	7.3	143	387	1320	7.3
22656	14S/03E-07P50	Eastside Deep Aquifer	3.5	145	38	54	539	12	1.7	55	39	340	7.3
22666	15S/03E-03N58	Deep Aquifers	4.1	158	55	42	672	18	2.7	54	116	450	7.6
22681	13S/01E-36J02	Deep Aquifers	0.5	170	3.8	39	507	0.7	2.6	108	23	360	8.8
22687	13S/02E-36F50	Eastside Deep Aquifer	2.1	187	45	42	514	13	2	41	7.7	310	7.5
22746	14S/02E-25D51	400-Foot Aquifer	2.3	167	142	274	1410	37	4.2	68	127	940	7.9
22755	14S/02E-07J03	Deep Aquifers	0.5	185	3.3	48	546	0.9	3.2	119	25	400	8.5
22801	13S/02E-35H01	400-Foot Aquifer	4.5	176	48	56	541	13	2.1	41	12	335	7.9
22828	14S/02E-13E50	400-Foot Aquifer	3.1	142	41	52	567	15	2.5	49	54	375	7.3
22833	14S/02E-03P01	400-Foot Aquifer	2.2	173	34	67	613	11	2	76	34	380	7.8
22905	15S/03E-05R52	Deep Aquifers	1.4	142	54	24	554	15	2.6	36	100	360	7.8
22928	13S/02E-28L03	Deep Aquifers	0.5	155	9.4	140	839	0.6	1.5	163	34	500	8.6
23107	14S/02E-14R50	400-Foot Aquifer	2.8	123	211	676	2450	78	5.3	119	72	1880	7.2
23135	14S/02E-28C02	Deep Aquifers	0.5	175	26	48	637	9.6	2.5	98	77	390	8.1
24033	14S/02E-22A03	Deep Aquifers	0.6	163	24	43	602	7	2.6	94	72	395	8.1
24520	15S/03E-07K01	400-Foot Aquifer	15	291	147	85	1210	39	4.4	47	202	840	7.7
24833	14S/02E-22R01	400-Foot Aquifer	1.9	156	54	34	599	15	2.9	49	94	415	7.8
24834	14S/02E-36F03	400-Foot Aquifer	1.6	258	172	123	1350	40	4.3	57	298	933	7.4
25374	15S/02E-10A03	400-Foot Aquifer	3.7	176	50	201	1070	22	3	122	35	605	7.2
25375	15S/02E-04A04	Deep Aquifers	1.6	141	37	78	617	13	2.1	65	40	380	7.9
25553	15S/03E-10D04	Deep Aquifers	6.4	174	59	40	692	20	3.1	54	122	470	7.6
25733	14S/03E-06F01	Eastside Deep Aquifer	26	193	72	167	988	20	2.4	87	20	605	7.4
25973	14S/02E-29C01	Deep Aquifers	0.5	154	18	92	703	5.7	2.1	121	58	440	8.1
26134	16S/04E-03K01	Deep Aquifers	2.4	150	51	35	623	18	2.8	49	116	435	7.8
26234	14S/01E-13K02	Undetermined	1.3										
26235	14S/01E-13K03	Undetermined	4.4										
26237	14S/01E-13K05	Undetermined	4.9										
26238	14S/01E-13K06	Undetermined	4.4										
26240	14S/01E-13J04	Undetermined	4	93	1190	12700	N/A	915	74.2	5740	1630	23400	N/A
26241	14S/01E-13J05	Undetermined	1.3	115	2800	15500	N/A	1050	52.6	5590	1940	22700	N/A
26244	14S/02E-17F03	Undetermined	3.1										
26246	14S/02E-33A02	Undetermined	0.5										
26247	14S/02E-33A03	180-Foot Aquifer	2.6										
26249	14S/02E-19C02	Undetermined	26										
26250	14S/02E-19C03	Undetermined	4										
26252	14S/02E-07K03	Undetermined	2.7										
26253	14S/02E-07K04	Undetermined	3.1										
26255	14S/02E-08D04	Undetermined	1.7										
26397	14S/02E-23G02	Deep Aquifers	0.6	186	24	61	744	7.7	2.7	123	89	455	8
26594	15S/02E-03B05	400-Foot Aquifer	1.3	261	110	73	1050	34	3.9	62	192	725	7.9

Appendix E

Water Quality Data from Wells in and near the Project Area

June 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
26674	14S/02E-27K02	Deep Aquifers	0.5	144	33	140	811	9.3	2.8	113	43	475	8.1
26677	14S/02E-26D01	Deep Aquifers	0.5	176	28	30	594	9.2	2.4	85	79	395	7.9
26954	14S/02E-23P02	Deep Aquifers	0.5	182	57	25	603	13	2.8	58	92	405	8.1

Appendix E

Water Quality Data from Wells in and near the Project Area

August 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
75	13S/02E-19Q03	Deep Aquifers	Well not sampled for water quality in August or September 2020.										
113	14S/02E-26J03	400-Foot Aquifer	0.5	226	276	574	2540	72	7	111	252	2360	7.5
214	14S/03E-07D50	Eastside Deep Aquifer	60	190	108	228	1210	31	3	74	27	880	7.2
331	14S/02E-36E01	180-Foot Aquifer	3.1	345	152	138	1710	52	6.8	155	384	1170	7.6
370	14S/02E-36G01	400-Foot Aquifer	5	354	214	160	1940	54	7.6	128	412	1385	7.5
446	14S/02E-26C50	400-Foot Aquifer	0.5	154	637	1680	5540	182	10	175	35	5150	7.5
521	13S/02E-15M01	400-Foot Aquifer	1	153	29	45	450	14	1.8	46	7.5	290	7.9
625	14S/03E-30F01	180-Foot Aquifer	165	339	190	266	2210	81	5	171	320	1545	7.3
659	14S/02E-10N51	400-Foot Aquifer	2.7	143	57	127	783	20	3.1	66	47	495	7.6
717	14S/02E-27F02	180-Foot Aquifer	2.2	226	97	142	1050	28	4.4	73	104	670	7.7
723	15S/02E-02A01	180-Foot Aquifer	1	173	89	52	752	20	3.6	36	143	525	7.5
757	14S/02E-26N03	180-Foot Aquifer	2.5	271	112	78	981	28	4.4	55	133	680	7.9
766	14S/02E-22P02	180-Foot Aquifer	32	182	103	166	1080	32	3.9	64	83	770	7.6
772	15S/02E-03C01	180-Foot Aquifer	9.9	312	123	84	1320	42	4.5	107	268	910	7.7
780	14S/02E-10M02	400-Foot Aquifer	2.7	138	58	119	746	20	2.7	58	47	490	7.5
859	14S/02E-15N01	400-Foot Aquifer	24	145	136	331	1510	46	4.6	84	77	1200	7.5
861	14S/02E-15P01	400-Foot Aquifer	2.3	124	190	550	2220	71	5.2	120	58	1880	7.3
862	14S/02E-21L01	180-Foot Aquifer	55	147	131	314	1540	39	5	105	83	1135	7.8
876	14S/03E-19Q02	180-Foot Aquifer	221	335	181	301	2090	79	5.1	139	118	1380	7.5
886	14S/02E-24E01	400-Foot Aquifer	Well not sampled for water quality in August or September 2020.										
891	14S/03E-18P51	180-Foot Aquifer	Well not sampled for water quality in August or September 2020.										
944	14S/02E-03R02	400-Foot Aquifer	2.7	176	50	81	698	14	2.6	78	49	440	7.6
966	14S/02E-26N50	180-Foot Aquifer	3.1	324	145	93	1150	34	5	53	161	770	7.8
1055	14S/02E-15A01	400-Foot Aquifer	2.6	142	47	65	623	16	2.8	54	68	420	7.6
1060	14S/02E-34A03	400-Foot Aquifer	1.8	158	57	27	564	13	2.8	38	93	380	7.7
1072	14S/02E-34A04	400-Foot Aquifer	2.6	273	236	369	2010	58	6.4	70	136	1770	7.5
1153	13S/02E-31A02	Deep Aquifers	0.5	152	13	239	1140	3.3	5.7	220	25	665	8.4
1212	14S/02E-34B03	180-Foot Aquifer	3.5	117	361	880	3120	89	7.4	79	87	2720	7.4
1282	14S/02E-24P02	400-Foot Aquifer	--	--	177	--	1560	47	5.7	85	--	1065	--
1534	14S/02E-05R03	400-Foot Aquifer	2.1	150	103	298	1330	38	3.9	91	41	1060	7.9
1542	14S/03E-30E03	400-Foot Aquifer	281	327	222	285	2270	79	6	132	194	4600	7.2
1543	14S/03E-31B01	180-Foot Aquifer	--	--	165	--	1540	52	5.2	96	--	1080	--
1685	14S/02E-03H01	400-Foot Aquifer	2.7	163	94	245	1150	30	2.7	86	25	867	7.3
1698	14S/03E-07K51	Eastside Deep Aquifer	5.3	160	35	66	558	11	1.7	62	20	335	7.3
1704	14S/02E-10H01	400-Foot Aquifer	2.7	151	50	97	720	17	2.5	70	55	465	7.5
1705	14S/02E-11M03	400-Foot Aquifer	2.4	150	37	48	498	12	2	47	28	320	7.4
1706	14S/02E-02A02	Eastside Deep Aquifer	2.7	189	62	110	749	18	2.5	62	18	460	7.5
1716	14S/02E-02C03	400-Foot Aquifer	2.4	169	92	253	1190	27	3.3	94	20	813	7.3
1794	14S/03E-31F02	400-Foot Aquifer	25	346	171	101	1650	48	6.2	98	338	1130	7.7

Appendix E
Water Quality Data from Wells in and near the Project Area
August 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
1849	14S/02E-04H01	400-Foot Aquifer	--	--	40	--	639	13	2.4	77	--	385	--
1851	14S/02E-03M02	400-Foot Aquifer	--	--	33	--	542	11	2.1	68	--	340	--
1965	14S/02E-22L01	400-Foot Aquifer	13	147	125	277	1350	44	3.9	67	87	1070	7.4
2261	13S/01E-25R01	Deep Aquifers	0.5	184	1.9	43	529	0.5	3.2	116	22	365	8.7
2315	14S/03E-18E03	180-Foot Aquifer	226	304	185	309	2030	61	3	129	77	1480	7.2
2318	15S/02E-01Q50	400-Foot Aquifer	0.5	269	199	145	1620	47	5.4	61	349	1090	7.4
2408	15S/02E-04C01	180-Foot and 400-Foot Aquifer	15	121	53	85	638	19	2.8	47	54	415	7.4
2409	14S/02E-33Q01	400-Foot Aquifer	24	101	60	92	648	17	2.8	40	55	480	7.4
2410	15S/02E-04A50	400-Foot Aquifer	16	103	47	77	571	16	2.6	42	46	380	7.4
2437	14S/02E-11B01	400-Foot Aquifer	2.1	158	34	55	528	11	2	61	23	340	7.4
2445	13S/02E-34G01	400-Foot Aquifer	4.6	196	52	141	871	16	3.1	103	24	500	7.6
2446	13S/02E-28L02	180-Foot and 400-Foot Aquifer	2.2	197	41	70	607	18	2.2	58	12	355	7.6
2447	13S/02E-34M01	400-Foot Aquifer	0.5	174	164	575	2190	52	4.6	173	36	1410	7.5
2452	14S/02E-32D04	Deep Aquifers	0.5	149	27	70	630	7.1	2.5	98	60	390	7.9
2453	14S/02E-31H01	Deep Aquifers	0.5	83	18	70	463	2.9	2	73	32	280	8.3
2455	13S/02E-28M02	400-Foot Aquifer	1.5	170	43	87	621	18	2.2	54	13	370	7.7
2659	14S/02E-09D04	400-Foot Aquifer	2.2	159	40	125	783	20	2.7	86	37	475	7.4
2697	13S/02E-20J01	400-Foot Aquifer	0.5	180	67	198	1040	30	2.9	94	38	635	8.1
2776	16S/04E-11D51	Eastside Deep Aquifer	11	170	69	35	711	22	2.9	48	139	490	7.8
10229	14S/02E-24Q01	180-Foot Aquifer	231	357	270	446	2640	95	6.6	141	179	1880	7.1
10234	14S/02E-26P01	180-Foot Aquifer	--	--	244	--	2300	87	5	114	--	1650	--
*14455**	*14S/02E-12B02*	*180-Foot Aquifer*	*112*	*232*	*214*	*438*	*2050*	*66*	*4.6*	*63*	*20*	*1900*	*7.1*
*14456**	*14S/02E-12B03*	*400-Foot Aquifer*	*2.2*	*173*	*42*	*29*	*439*	*11*	*2.1*	*36*	*8.7*	*270*	*7.7*
14468	14S/02E-13F02	400-Foot Aquifer	0.7	154	33	33	398	10	1.7	34	6.6	260	7.1
14469	14S/02E-13F03	180-Foot Aquifer	281	368	327	730	3840	113	6	219	94	3160	7.0
14478	14S/02E-11A02	180-Foot Aquifer	19	211	117	224	1180	35	3.2	49	12	980	7.6
14480	14S/02E-11A04	400-Foot Aquifer	3	178	40	35	472	12	2.2	41	11	295	7.6
14501	14S/02E-15L02	180-Foot Aquifer	0.5	183	458	1640	6390	147	13	445	224	4600	7.4
15009	14S/03E-18C01	180-Foot Aquifer	168	154	121	134	1140	31	2.1	47	56	960	7.1
15010	14S/03E-18C02	400-Foot Aquifer	33	205	106	142	964	26	2.6	43	27	735	7.1
15014	14S/03E-18E04	400-Foot Aquifer	2.5	183	52	40	500	12	1.9	31	8.7	300	7.2
20769	14S/03E-07P02	180-Foot Aquifer	84	190	109	195	1170	33	2.1	65	26	880	7.1
21205	16S/04E-08H03	400-Foot Aquifer	21	218	85	33	777	26	3.1	40	123	545	7.5
21208	16S/04E-08H04	180-Foot Aquifer	2.2	144	44	13	438	14	2.2	29	62	305	7.6
21667	14S/02E-17C02	Dune Sand Aquifer	--	--	239	--	2290	78	5.7	127	--	1645	--
22632	14S/02E-27A01	180-Foot Aquifer	32	154	95	147	995	26	4.4	55	99	705	7.4
22633	13S/02E-21Q01	180-Foot Aquifer	134	176	211	808	3280	146	6.3	191	125	2620	6.8
22635	14S/02E-03F03	400-Foot Aquifer	2.8	174	41	63	612	13	2.1	70	39	390	7.4

Appendix E

Water Quality Data from Wells in and near the Project Area

August 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
22650	14S/03E-30G08	180-Foot Aquifer	320	323	250	235	2680	85	7	191	375	1870	7.2
22651	14S/02E-26H01	180-Foot Aquifer	0.6	330	172	192	1830	56	7.3	143	387	1320	7.3
22656	14S/03E-07P50	Eastside Deep Aquifer	3.3	153	36	55	552	12	1.9	61	39	360	7.3
22666	15S/03E-03N58	Deep Aquifers	4.4	162	57	42	678	19	3.1	56	116	410	7.6
22681	13S/01E-36J02	Deep Aquifers	0.5	173	2.2	40	502	0.4	2.9	111	23	360	8.8
22687	13S/02E-36F50	Eastside Deep Aquifer	--	--	46	--	512	13	2.1	44	--	310	--
22746	14S/02E-25D51	400-Foot Aquifer	--	--	153	--	1480	41	5	73	--	1175	--
22755	14S/02E-07J03	Deep Aquifers	0.5	183	2.9	48	546	0.8	3.3	120	25	380	8.5
22801	13S/02E-35H01	400-Foot Aquifer	4.5	179	49	56	542	13	2.1	41	12	330	7.9
22828	14S/02E-13E50	400-Foot Aquifer	3.1	149	42	53	563	17	2.5	50	54	355	7.3
22833	14S/02E-03P01	400-Foot Aquifer	--	--	32	--	552	11	2.2	73	--	345	--
22905	15S/03E-05R52	Deep Aquifers	1.4	140	55	24	547	15	2.9	36	100	385	7.8
22928	13S/02E-28L03	Deep Aquifers	0.5	159	6.5	133	812	0.5	1.8	169	34	490	8.6
23107	14S/02E-14R50	400-Foot Aquifer	3.8	126	242	700	2580	90	5.9	132	70	2540	7.2
23135	14S/02E-28C02	Deep Aquifers	0.5	178	26	47	639	9.6	2.8	100	76	410	8.1
24033	14S/02E-22A03	Deep Aquifers	0.7	169	25	30	586	7.8	3	92	79	395	8.1
24520	15S/03E-07K01	400-Foot Aquifer	15	331	157	86	1270	41	4.7	50	206	845	7.7
24833	14S/02E-22R01	400-Foot Aquifer	1.9	157	51	34	592	15	3.3	51	93	400	7.8
24834	14S/02E-36F03	400-Foot Aquifer	1.6	264	175	124	1460	44	5.3	63	302	960	7.4
25374	15S/02E-10A03	400-Foot Aquifer	3.6	188	54	196	1050	23	3.6	130	35	630	7.2
25375	15S/02E-04A04	Deep Aquifers	0.8	150	35	61	587	12	2.6	73	54	375	7.9
25553	15S/03E-10D04	Deep Aquifers	6.3	173	60	40	693	20	3.1	55	121	485	7.6
25733	14S/03E-06F01	Eastside Deep Aquifer	31	191	86	172	1010	23	2.7	77	22	680	7.4
25973	14S/02E-29C01	Deep Aquifers	0.5	154	19	91	704	5.7	2.1	124	57	445	8.1
26134	16S/04E-03K01	Deep Aquifers	2.2	154	52	35	627	18	2.8	49	116	455	7.8
26234	14S/01E-13K02	Undetermined	Well not sampled for water quality in August or September 2020.										
26235	14S/01E-13K03	Undetermined	Well not sampled for water quality in August or September 2020.										
26237	14S/01E-13K05	Undetermined	Well not sampled for water quality in August or September 2020.										
26238	14S/01E-13K06	Undetermined	Well not sampled for water quality in August or September 2020.										
26240	14S/01E-13J04	Undetermined	Well not sampled for water quality in August or September 2020.										
26241	14S/01E-13J05	Undetermined	Well not sampled for water quality in August or September 2020.										
26244	14S/02E-17F03	Undetermined	Well not sampled for water quality in August or September 2020.										
26246	14S/02E-33A02	Undetermined	Well not sampled for water quality in August or September 2020.										
26247	14S/02E-33A03	180-Foot Aquifer	Well not sampled for water quality in August or September 2020.										
26249	14S/02E-19C02	Undetermined	Well not sampled for water quality in August or September 2020.										
26250	14S/02E-19C03	Undetermined	Well not sampled for water quality in August or September 2020.										
26252	14S/02E-07K03	Undetermined	Well not sampled for water quality in August or September 2020.										
26253	14S/02E-07K04	Undetermined	Well not sampled for water quality in August or September 2020.										
26255	14S/02E-08D04	Undetermined	Well not sampled for water quality in August or September 2020.										

Appendix E

Water Quality Data from Wells in and near the Project Area

August 2020

Facility Code	State Well ID	Aquifer	Nitrate as Nitrate (mg/L)	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	T.D.S. (mg/L)	pH
26397	14S/02E-23G02	Deep Aquifers	0.5	182	22	79	811	6.5	2.6	147	101	495	8.0
26594	15S/02E-03B05	400-Foot Aquifer	1	265	110	74	1040	33	3.8	62	188	740	7.9
26674	14S/02E-27K02	Deep Aquifers	0.5	147	33	140	817	9.6	3.2	120	41	470	8.1
26677	14S/02E-26D01	Deep Aquifers	0.8	170	27	27	574	9.3	2.8	85	80	390	7.9
26954	14S/02E-23P02	Deep Aquifers	0.6	181	51	25	591	14	3.2	60	92	385	8.1

** Well sampled for water quality in September 2020.*

Appendix F

Well Destruction Prioritization Table

Well Prioritization List

Facility Code	State Well ID	Well Construction Date	Aquifer Unit	Well Depth	Screened Interval(s)	180-Ft. Aquifer Nitrate Detect (within 1/2 mile radius)	Well located in 180-Foot Aquifer Seawater Intruded Zone (500 mg/L Cl)
1019	13S/02E-33N04	3/10/67	400-Foot Aquifer	602	338-602	X	X
1246	13S/02E-33M50	7/23/66	400-Foot Aquifer	590	314-590		X
1586	13S/02E-27N	Unknown	Unknown	Unknown	Unknown	X	X
1720	13S/02E-27P01	Unknown	400-Foot Aquifer	606	412-572	X	
2436	13S/02E-27M01	10/15/76	400-Foot Aquifer	412	208-268, 268-388, 448-478,508-628	X	X
2447	13S/02E-34M01	7/9/82	400-Foot Aquifer	630	370-450, 510-570, 590-610	X	X
10161	13S/02E-32A02	9/1/58	400-Foot Aquifer	600	300-600	X	X
114	13S/02E-28E01	9/14/90	400-Foot Aquifer	900	270-540	X	X
1593	13S/02E-29F02	11/1/55	400-Foot Aquifer	549	347-539	X	X
1688	13S/02E-27Q02	5/31/83	400-Foot Aquifer	591	245-317, 328-386, 416-591	X	
1708	13S/02E-32C01	10/17/49	400-Foot Aquifer	562	322-552		X
1849	14S/02E-04H01	12/24/73	400-Foot Aquifer	512	418-424, 430-448, 470-487	X	X
1851	14S/02E-03M02	3/6/75	400-Foot Aquifer	587	400-570	X	X
2294	13S/02E-34J50	4/30/93	400-Foot Aquifer	450	230-450		
2430	13S/02E-32M02	12/5/84	Deep Aquifers	1630	780-1590		X
2431	13S/02E-29J01	5/1/57	400-Foot Aquifer	600	Unknown	X	X
2433	13S/02E-21P01	1/1/58	400-Foot Aquifer	Unknown	Unknown	X	X
2434	13S/02E-28B01	12/6/60	400-Foot Aquifer	660	123-143, 163-203, 252-292, 312-349, 381-418	X	X
2435	13S/02E-28H50	8/26/75	400-Foot Aquifer	655	190-553, 613-643	X	X
2455	13S/02E-28M02	5/26/86	400-Foot Aquifer	760	310-450, 580-610, 640-700, 730-760	X	X
2698	14S/02E-04G02	8/20/96	400-Foot Aquifer	620	370-520, 560-610	X	X
10163	13S/02E-32E03	9/20/54	400-Foot Aquifer	885	418-633		X
19	14S/02E-10E02	9/26/78	400-Foot Aquifer	660	298-524,524-580, 620-660	X	X
694	14S/02E-10F50	1/5/76	400-Foot Aquifer	600	372-427, 490-570	X	X
718	13S/02E-32N01	5/1/49	400-Foot Aquifer	602	Unknown		X
934	14S/02E-05K02	2/18/60	400-Foot Aquifer	600	417-423, 485-492, 497-505, 558-587		X
1153	13S/02E-31A02	9/30/85	Deep Aquifers	1600	850-1600		X
1162	14S/02E-05C03	4/14/88	400-Foot Aquifer	580	300-565		X
1169	14S/02E-05F04	3/26/54	400-Foot Aquifer	582	406-418, 422-452, 452-475, 496-505, 523-534		X
1233	14S/02E-05P02	5/20/55	400-Foot Aquifer	606	464-478, 560-588		X
1464	14S/02E-09D03	4/24/61	400-Foot Aquifer	542	401-419, 424-443, 457-478		X
1466	14S/02E-08C03	5/3/55	400-Foot Aquifer	556	395-405, 407-410, 460-480, 492-505, 532-540		X
1521	14S/02E-09H02	3/9/65	400-Foot Aquifer	498	300-489	X	X
1522	14S/02E-04R02	7/16/65	400-Foot Aquifer	566	302-566	X	X
1523	14S/02E-09H03	7/20/72	400-Foot Aquifer	556	378-386, 404-420, 450-485, 339-363		X
1548	14S/02E-04N01	2/1/66	400-Foot Aquifer	684	100-105, 167-172, 180-185		X

Well Prioritization List

Facility Code	State Well ID	Well Construction Date	Aquifer Unit	Well Depth	Screened Interval(s)	180-Ft. Aquifer Nitrate Detect (within 1/2 mile radius)	Well located in 180-Foot Aquifer Seawater Intruded Zone (500 mg/L Cl)
1710	14S/02E-06J03	5/3/48	400-Foot Aquifer	550	375-550		X
2432	13S/02E-21N01	3/12/50	400-Foot Aquifer	550	350-550	X	X
2658	14S/02E-06B01	1/1/58	400-Foot Aquifer	610	Unknown		X
2682	13S/02E-29M02	4/10/68	400-Foot Aquifer	566	410-566		X
2683	13S/02E-29D03	4/6/60	400-Foot Aquifer	632	432-632	X	X
2689	13S/02E-20K50	11/17/95	400-Foot Aquifer	750	440-530, 660-750	X	X
2692	14S/02E-03H02	Unknown	Unknown	Unknown	Unknown	X	X
2693	14S/02E-02C02	10/1/45	400-Foot Aquifer	575	Unknown		

Well Prioritization List

Facility Code	State Well ID	Well Construction Date	Aquifer Unit	Well Depth	Screened Interval(s)	180-Ft. Aquifer Nitrate Detect (within 1/2 mile radius)	Well located in 180-Foot Aquifer Seawater Intruded Zone (500 mg/L Cl)
10140	13S/02E-19R01	3/16/47	400-Foot Aquifer	508	Unknown	X	X
10142	13S/02E-20M02	3/15/49	400-Foot Aquifer	530	Unknown		X
10143	13S/02E-21G01	6/1/47	400-Foot Aquifer	406	Below 260		
10150	13S/02E-29C02	5/3/50	400-Foot Aquifer	550	Unknown	X	X
10156	13S/02E-30A01	8/25/49	400-Foot Aquifer	602	392-602	X	X
10158	13S/02E-31K02	9/11/61	400-Foot Aquifer	568	476-495, 505-549		X
11037	13S/02E-31G04	7/7/62	400-Foot Aquifer	610	252-610		X
12889	13S/02E-21G02	1/1/43	MORO COJO	425	Unknown		
13048	13S/02E-31B02	Unknown	400-Foot Aquifer	Unknown	Unknown		X
14326	14S/02E-02E02	11/21/61	400-Foot Aquifer	532	223-527	X	
14355	14S/02E-05C02	11/1/52	400-Foot Aquifer	576	446-446, 494-514, 518-522		X
22833	14S/02E-03P01	1/31/06	400-Foot Aquifer	614	478-490, 512-522, 586-602	X	X
249	14S/02E-11H02	1/1/50	400-Foot Aquifer	400	Unknown	X	X
279	14S/02E-16H01	5/11/76	400-Foot Aquifer	606	449-599	X	X
353	14S/02E-16A02	10/17/73	400-Foot Aquifer	669	430-470, 518-618	X	X
407	14S/02E-15B01	5/26/82	400-Foot Aquifer	660	337-342, 363-387, 397-435, 515-548, 573-588, 607-620	X	X
587	14S/02E-07A01	9/19/74	400-Foot Aquifer	600	390-600		X
659	14S/02E-10N51	3/12/91	400-Foot Aquifer	580	416-442, 540-558	X	X
780	14S/02E-10M02	10/18/65	400-Foot Aquifer	588	330-365, 419-453, 481-545	X	X
860	14S/02E-08L01	Unknown	Unknown	Unknown	Unknown	X	X
1109	14S/02E-07J02	9/30/79	400-Foot Aquifer	564	396-564	X	X
1299	14S/02E-09K50	10/17/73	400-Foot Aquifer	614	360-614	X	X
1324	14S/02E-15C02	6/20/78	400-Foot Aquifer	550	328-550	X	X
1589	14S/02E-10P02	6/30/78	400-Foot Aquifer	624	330-624	X	X
1590	14S/02E-07B50	10/8/90	400-Foot Aquifer	590	310-590		X
1958	14S/02E-16C51	10/17/67	400-Foot Aquifer	602	Unknown	X	X
2419	14S/02E-09N02	8/2/95	400-Foot Aquifer	636	408-426, 472-494, 602-622	X	X
10139	13S/02E-19H01	5/18/48	400-Foot Aquifer	340	Unknown		X
10191	14S/02E-06R02	2/25/48	400-Foot Aquifer	604	Unknown		X
22755	14S/02E-07J03	5/11/05	Deep Aquifers	1573	1450-1470, 1490-1510, 1530-1570	X	X
824	14S/02E-18A01	9/7/84	400-Foot Aquifer	590	280-480, 490-570	X	X
859	14S/02E-15N01	9/21/71	400-Foot Aquifer	550	309-319, 336-352, 398-408, 440-464	X	X
861	14S/02E-15P01	8/3/65	400-Foot Aquifer	595	416-423, 451-490, 550-555	X	X
1139	14S/02E-07K01	3/5/52	400-Foot Aquifer	600	Unknown		X
1255	14S/02E-07L05	5/6/88	400-Foot Aquifer	610	330-450		X
1257	14S/02E-07L04	8/23/83	400-Foot Aquifer	560	360-560	X	X
1709	14S/02E-18C01	10/22/76	400-Foot Aquifer	600	330-598	X	X

Well Prioritization List

Facility Code	State Well ID	Well Construction Date	Aquifer Unit	Well Depth	Screened Interval(s)	180-Ft. Aquifer Nitrate Detect (within 1/2 mile radius)	Well located in 180-Foot Aquifer Seawater Intruded Zone (500 mg/L Cl)
2536	14S/02E-01G50	6/17/74	400-Foot Aquifer	598	225-580		
2662	14S/02E-15K01	3/14/79	400-Foot Aquifer	600	300-600	X	X
2691	14S/02E-18E01	7/6/74	Deep Aquifers	870	666-834	X	X
2718	14S/02E-17B03	6/18/96	400-Foot Aquifer	615	330-410, 440-540, 560-600	X	X
21655	14S/02E-20B03	6/26/97	Deep Aquifers	825	670-730, 785-805	X	X
989	14S/02E-26J50	4/20/65	400-Foot Aquifer	516	390-500	X	
43	14S/02E-14A01	6/10/93	400-Foot Aquifer	602	472-506, 536-550	X	X
444	Unknown	Unknown	Unknown	Unknown	Unknown	X	
1163	14S/02E-12N51	7/18/89	400-Foot Aquifer	628	502-562, 583-597	X	X
1636	14S/02E-12L02	5/31/78	400-Foot Aquifer	590	435-445, 470-510, 510-520, 520-580	X	X
1707	14S/02E-12Q01	1/1/38	400-Foot Aquifer	619	273-280, 288-292	X	X
2686	14S/02E-14B50	5/2/95	400-Foot Aquifer	1/19/02	420-570, 660-750	X	X
801	Unknown	Unknown	Unknown	Unknown	Unknown	X	
1046	14S/02E-12B01	11/24/47	400-Foot Aquifer	672	315-325, 515-580		
1047	14S/02E-11H01	Unknown	S V GENERAL	Unknown	Unknown	X	X
1160	Unknown	Unknown	Unknown	Unknown	Unknown	X	
1213	14S/02E-27J01	Unknown	S V GENERAL	Unknown	Unknown	X	
1393	14S/02E-27G50	8/9/91	400-Foot Aquifer	624	454-462, 484-490, 493-504, 518-524, 558-564, 576-612	X	
1855	14S/02E-28J50	4/15/88	PRESSURE BOTH	510	264-293, 370-380, 412-420, 436-444, 450-482	X	
1861	14S/02E-27G03	4/18/73	400-Foot Aquifer	495	276-320, 362-368	X	

Monterey County

Board Report

Legistar File Number: WRABMAC 21-012

Item No.6

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

March 03, 2021

Introduced: 2/24/2021
Version: 1

Current Status: Draft
Matter Type: WRA BMAC Item

Proposition 1 Implementation Grant Update: *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley*

Update on Proposition 1 Implementation Grant – *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* Project

SUMMARY:
Implementation of the *Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley* project (Project) is ongoing. The Project is funded in part by a Proposition 1 Implementation Grant from the State Water Resources Control Board (SWRCB).

DISCUSSION:

Well Reclassification and Destruction Notification Appeals
In January 2021, MCWRA sent reclassification notifications for thirty-nine wells and destruction notifications for five wells. Twenty appeals were filed by well owners or operators in response to the reclassification; one appeal was filed in response to a destruction notice.

Throughout February 2021, MCWRA has met with nearly all well owners, operators, or other interested parties who submitted an appeal in response to the January 2021 notifications in an effort to gather additional information that will assist the General Manager in making a recommendation on the outcome of the appeal.

Well Location and Identification
In February 2021, MCWRA staff initiated a second round of field reconnaissance to locate additional wells for inclusion in the project. Staff has also continued communication with landowners in the project area to locate and identify wells.

The 2017 report released by MCWRA, titled *Recommendations to Address the Expansion of Seawater Intrusion in the Salinas Valley Groundwater Basin*, identified thirty-five wells as being "urgent" or "high" priority to destroy, based on factors including the degree of hydraulic separation at the well site; extent of seawater intrusion at the well site; and local chloride concentration. All thirty-five wells in these two categories are on the list for destruction under the Project. Twelve of the thirty-five were part of the initial round of notifications; the remainder of the wells are part of ongoing efforts to locate and/or confirm the well identity.

OTHER AGENCY INVOLVEMENT:
None

FINANCING:
On February 9, 2021, the Monterey County Board of Supervisors approved a contribution to the MCWRA FY 2021-21 Adopted Budget to include a $399,499 increase, financed by the Cannabis Tax Assignment. These funds will be used to offset the FY 20-21 portion of the $2,663,300 in total additional funds needed to meet MCWRA's 46% match on the SWRCB grant.

A contribution of the remaining $2,263,801 in additional funds from the Cannabis Tax Assignment was approved by the Monterey County Board of Supervisors on October 27, 2021 by a 3-2 vote. Because of this action, MCWRA can include the Cannabis Tax Assignment contribution in the FY 21-22 and FY 22-23 budgets; however, there is not a guarantee that the

funds will be available or approved for use in future budgets.

There is no financial impact in receiving this update.

Prepared by: Amy Woodrow, Hydrologist, (831) 755-4860
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Monterey County

Board Report

Legistar File Number: WRABMAC 21-011

Item No.7

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

March 03, 2021

Introduced: 2/24/2021
Version: 1

Current Status: Draft
Matter Type: WRA BMAC Item

Update on Well Permit Activities

Well Permit Application Activities Update

SUMMARY/DISCUSSION:

In support of Monterey County's Well Permit Application Program the Agency acts as technical advisor to the program's lead agency, the Environmental Health Bureau (EHB). In accordance with a 1991 interdepartmental Memorandum of Agreement between the Agency and EHB, the Agency performs a comprehensive review process on well permit applications for new wells pumping five acre-feet of water or more per year, as well as for proposed well destructions and repairs.

The Agency provides review and/or advisement to EHB within five (5) business days of receiving new well permit applications. The Agency also reviews final well designs and annular seal depth proposals on an on-going basis and is committed to providing a response to EHB within twenty-four (24) hours of receiving design proposals.

The Agency receives funds that cover staff time for well application review, well completion report processing, and database maintenance from fees collected by EHB. The Agency's fees are defined in Article XI of the Monterey County Fee Resolution.

Table 1 (attached) provides a summation of well permit applications received in the last month for evaluation by Agency staff, categorized by permit type, Agency management area, and aquifer unit. Also included is a tabulation of new well applications reviewed for the fiscal year. This table is provided to the Board of Directors and Basin Management Advisory Committee on a monthly basis.

Publication of the Agency's Report, "Recommendations To Address the Expansion of Seawater Intrusion in the Salinas Valley Groundwater Basin (October, 2017) and subsequent adoption of Interim Urgency Ordinance 5302 and Ordinance 5303 by the Monterey County Board of Supervisors (May 22, 2018 and June 26, 2018, respectively) have led to increased interest in data related to wells in and extractions from the Deep Aquifers (Figure 1).

Figure 2 depicts the history of well installation in the Deep Aquifers by water use category. As illustrated in the chart, a total of fifty-seven (57) wells have been installed in the Deep Aquifers since 1974, with twenty-five (25) of those wells being constructed in the last ten years, including fourteen (14) within the last three years. Figure 2 includes a tabular historical summary of reported annual Deep Aquifer well extractions by water use category.

Two (2) additional permits have been issued for new Deep Aquifers wells but construction has not been completed as of the date of this report. The proposed wells were applied for as replacement wells after the expiration of Ordinance No. 5302, which expired on May 21, 2020.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:
None

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Attachments:
Table 1 - Summary of Well Permits Received
Figure 1- Map showing Deep Aquifer Wells
Figure 2 - Timeline of Well Installation in the Deep Aquifers with Summary of Deep Aquifer Groundwater Extractions

Table 1. Well Permit Applications Received by Category - January, 2021

Subarea/ Aquifer	Construction	Destruction	Repair	Other	Total	FY (20/21) Total
Pressure 180-Ft Aquifer		2			2	7
Pressure 400-Ft Aquifer		1			1	9
Pressure Deep Aquifers						7
East Side						8
Forebay	1	1			2	10
Upper Valley	1				1	5
Outside Zone 2C, Undefined GW Basin	4				4	27
Total	**6**	**4**			**10**	**73**

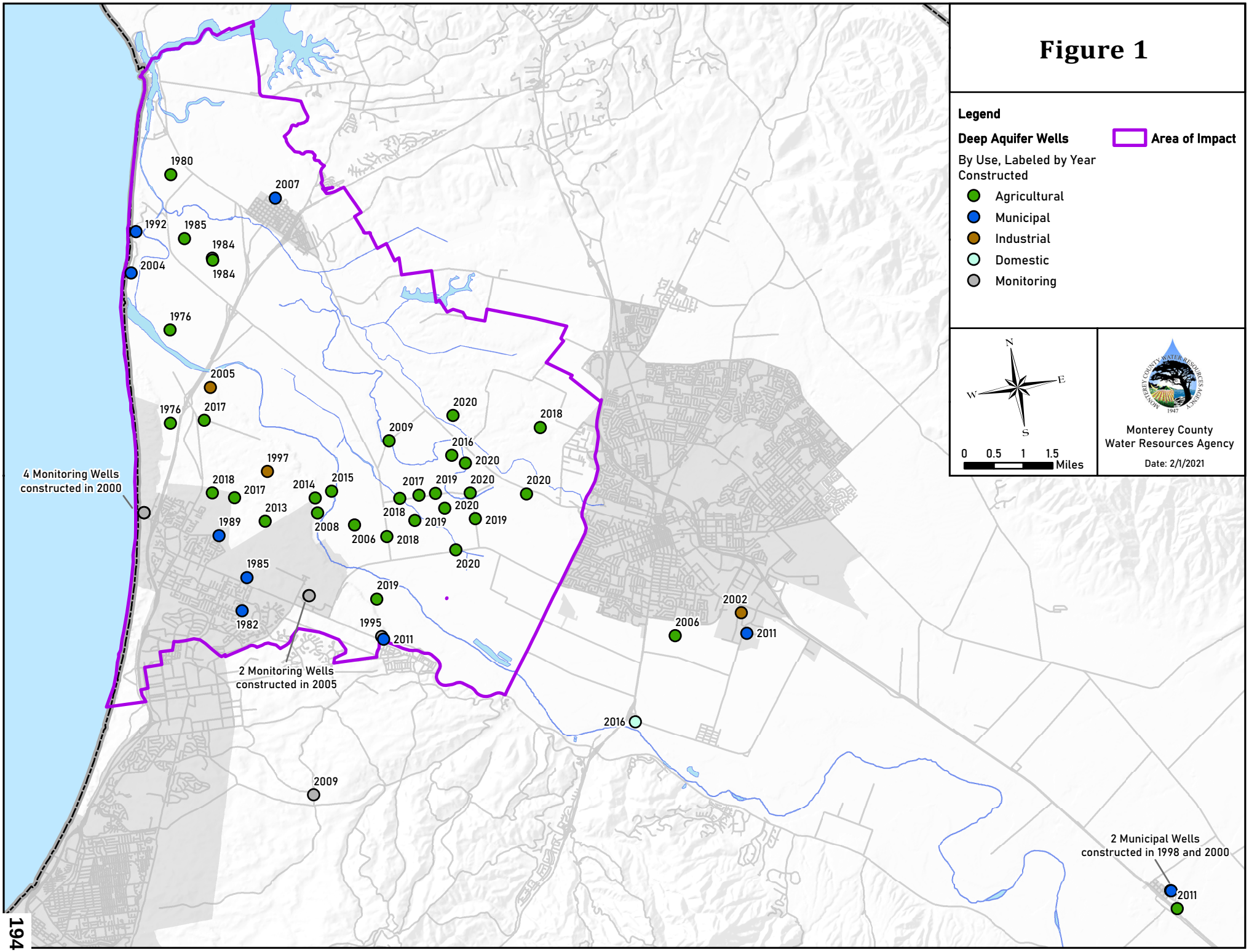
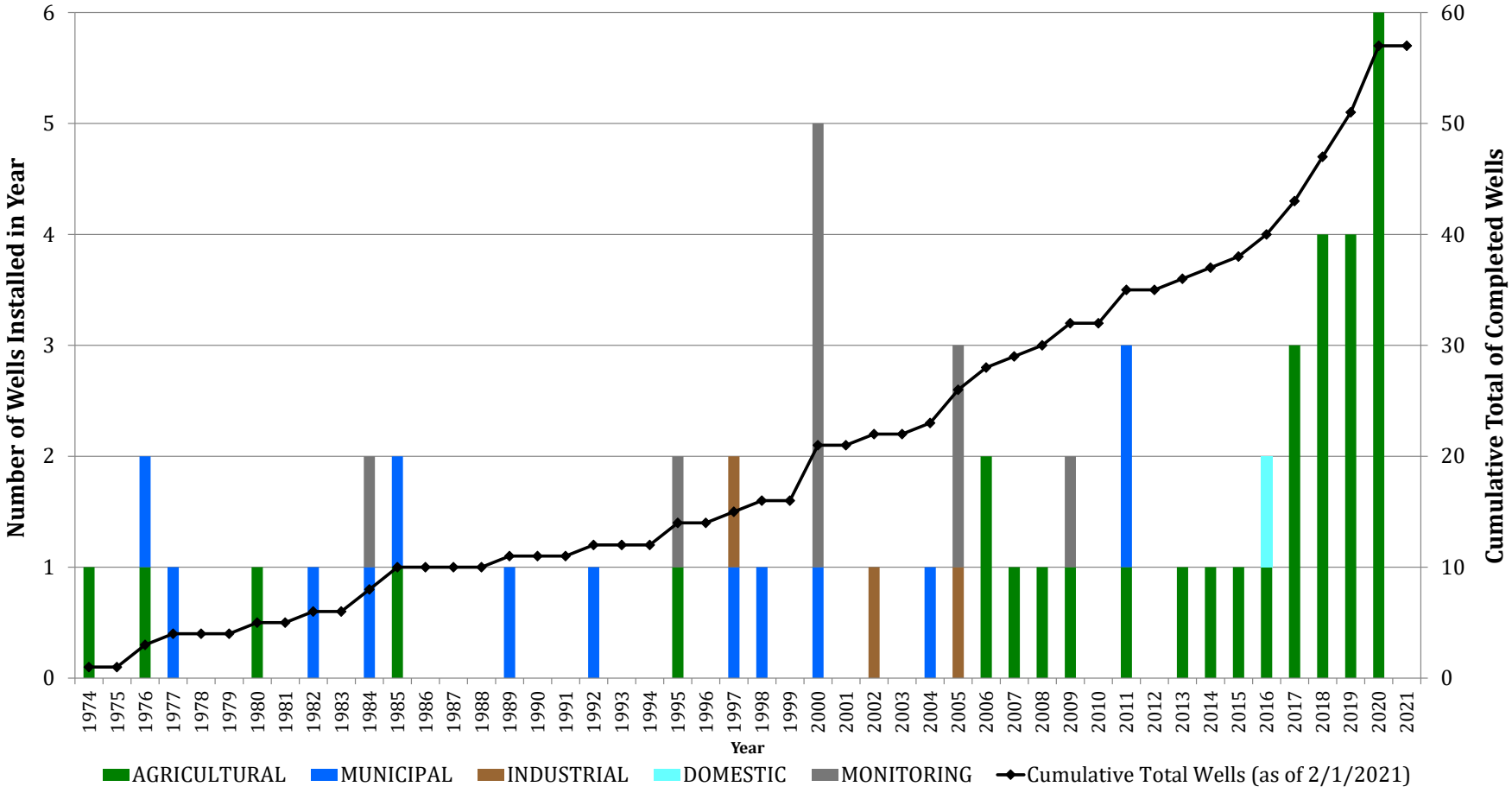


Figure 1
Legend
Deep Aquifer Wells
By Use, Labeled by Year Constructed
Agricultural
Municipal
Industrial
Domestic
Monitoring
Area of Impact
N
S
E
W
0 0.5 1 1.5
Miles
Monterey County Water Resources Agency
Date: 2/1/2021
4 Monitoring Wells constructed in 2000
2 Monitoring Wells constructed in 2005
2 Municipal Wells constructed in 1998 and 2000
1980
2007
1992
1985
1984
1984
2004
1976
2005
1976
2017
2020
2018
2009
2016
2020
1997
2018
2017
2014
2015
2017
2019
2020
2020
2013
2018
2020
1989
2008
2019
2019
2006
2018
2020
1985
2019
1982
1995
2011
2016
2009
2002
2006
2011
2011
194
4

Figure 2

Timeline of Well Installation in Deep Aquifers of the 180/400 Foot Aquifer Subbasin

Source: MCWRA
Date: 2/1/2021



Deep Aquifers Groundwater Extraction History Since 1993*

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
2,054	1,992	2,036	2,137	2,170	1,906	2,055	2,302	2,355	2,399	2,366	2,442	2,358	2,005	1,738	2,004	2,102	1,903	1,803	2,044	1,982	3,784	3,746	3,690	3,991	4,499
1,507	2,620	2,302	1,990	2,556	1,648	96	1	0	0	0	0	0	0	58	384	696	982	927	1,397	1,097	2,031	2,010	4,293	4,958	4,855
0	0	0	0	0	0	0	3	13	17	379	305	343	336	393	371	348	333	370	380	523	620	617	569	567	291
3,561	**4,612**	**4,338**	**4,127**	**4,725**	**3,554**	**2,151**	**2,307**	**2,368**	**2,416**	**2,745**	**2,747**	**2,701**	**2,341**	**2,189**	**2,759**	**3,146**	**3,218**	**3,100**	**3,821**	**3,608**	**6,436**	**6,373**	**8,551**	**9,516**	**9,645**

* Notes: Table includes all reported extraction data for the twenty-nine (29) Deep Aquifer production wells that have reported extractions since inception of the Agency's GEMS program in 1993. Data are reported in acre-feet. Colors denote water use category (Municipal, Agricultural, Industrial). An additional eight (8) recently constructed deep agricultural production wells not shown above have yet to report extractions as of Reporting Year 2018.

Monterey County

Board Report

Legistar File Number: WRABMAC 21-013

Item No.8

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

March 03, 2021

Introduced: 2/24/2021
Version: 1

Current Status: Draft
Matter Type: WRA BMAC Item

Update on Groundwater Sustainability Agency activities in the Salinas Valley Basin

Update on groundwater sustainability agency activities in the Salinas Valley Basin

SUMMARY/DISCUSSION:

The SVBGSA is working on a strategic plan and will be holding meetings in March with multiple groups, including the Monterey County Water Resources Agency. The strategic plan will focus on structure, funding, and partnerships needed to guide the SVBGSA as it shifts from a focus on planning to implementation of the Groundwater Sustainability Plans that will be completed by 2022.

The SVBGSA expects to bring the draft strategic plan to its Advisory Committee, of which MCWRA is a member, and finally to its Board of Directors in May 2021.

OTHER AGENCY INVOLVEMENT:
None

FINANCING:
There is no financial impact in receiving this update.

Prepared by: Amy Woodrow, Hydrologist, (831) 755-4860
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Monterey County

Board Report

Legistar File Number: WRABMAC 21-014

Item No.9

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

March 03, 2021

Introduced: 2/24/2021
Version: 1

Current Status: Draft
Matter Type: WRA BMAC Item

Update on Agency Modeling Activities

Update on Agency Modeling Activities

SUMMARY:

The Monterey County Water Resources Agency (MCWRA) is utilizing the Salinas Valley Operational Model (SVOM) to model multiple project scenarios and evaluate conditions for the Interlake Tunnel Project. The SVOM is a tool developed by the U.S. Geological Survey and Agency that has been refined for use on this project by Wood Environment & Infrastructure, Inc. (Wood).

MCWRA is also working with the County of Monterey on the Salinas Valley Groundwater Basin Investigation ("Basin Investigation" or "Zone 2C Study") which, in part, uses the Salinas Valley Integrated Hydrologic Model (SVIHM) to evaluate current and future water conditions and demands within Zone 2C.

DISCUSSION:

- On February 5, 2021, the USGS transferred evaluation copies of the SVIHM and SVOM to Wood and the SVBGSA. The SVIHM is nearing the point where it will be submitted for internal USGS review; following completion of this review process, the SVIHM will be made publicly available. MCWRA continues to work with the USGS on refinements to the SVOM.

- MCWRA is working with Wood to prepare a technical memorandum on results of modeling conducted as part of the Winter Release Scenario. It is expected that this work will be finalized in March 2021.

- MCWRA is coordinating with Wood to develop operational parameters for a "Pre-Salinas Valley Water Project" baseline run. The intent of this modeling effort is to conduct a quantitative comparison of conditions before the SVWP and the existing baseline model, in response to stakeholder questions about the Interlake Tunnel project.

OTHER AGENCY INVOLVEMENT
None.

FINANCING:
There is no financial impact for receiving this report.

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Approved by: Brent Buche, General Manager

Monterey County

Board Report

Legistar File Number: WRABMAC 21-015

Item No.10

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

March 03, 2021

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Version: 1

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Matter Type: WRA BMAC Item

Consider future agenda items and set next meeting date