

**California Environmental Protection Agency**

**State Water Resources Control Board**

**Water Rights Online Form (WROF) System**

**NOTICE OF SUBMITTAL**

**TEMPORARY URGENCY CHANGE PETITION**

**Form Number:** WRA458923  
**Petitioner's Name:** Sonoma County Water Agency  
**Mailing Address:** 404 Aviation Blvd, Santa Rosa, CA 95403  
**Email Address:** tschram@scwa.ca.gov  
**Phone Number:** (707) 524-1173

Your Petition has been submitted to the State Water Board. The purpose of this notice is to inform you that your petition will not be accepted for initial review unless the following items are received by the State Water Board's Division of Water Rights:

1. **Completed Notice of Submittal:** Petitions must be signed by the petitioner or petitioner's authorized agent.
2. **State Water Board Petition Filing Fee or Proof of Payment:** Petitions to appropriate water by permit must be accompanied by a filing fee determined by regulation. The following link can be used to determine the appropriate fee.  
[https://www.waterboards.ca.gov/resources/fees/water\\_rights/#cur\\_info](https://www.waterboards.ca.gov/resources/fees/water_rights/#cur_info)  
([https://www.waterboards.ca.gov/resources/fees/water\\_rights/#cur\\_info](https://www.waterboards.ca.gov/resources/fees/water_rights/#cur_info)). For information on available payment methods, please visit [https://www.waterboards.ca.gov/make\\_a\\_payment](https://www.waterboards.ca.gov/make_a_payment) ([https://www.waterboards.ca.gov/make\\_a\\_payment](https://www.waterboards.ca.gov/make_a_payment)).
3. **CDFW Payment Check** made out to California Department of Fish and Wildlife for \$850, pursuant to Public Resources Code Section 10005.

You may submit the above items **by mail** (State Water Resources Control Board, Division of Water Rights, Attn: Petitions, PO Box 2000, Sacramento, CA 95812-2000); or **by hand delivery** (Division of Water Rights Records Room located in the Joe Serna Jr. CalEPA Headquarters Building at 1001 I Street in Sacramento).

You also must complete the **Environmental Information for Petitions Form**. The form can be found through the Water Rights Online Form System, available at the following link: <https://public2.waterboards.ca.gov/mt/sites/site?siteName=WROF> (<https://public2.waterboards.ca.gov/mt/sites/site?siteName=WROF>). Please take note of your form number on this notice of receipt and input it on the first page of the Environmental Information for Petitions Form.

If the items listed above are received by `$$$@SurveysTakenId~SELECT CONVERT(varchar(20),CompletedOn + 30, 101) FROM SurveysTaken WHERE Id = @SurveysTakenId$$`, your petition will be accepted for initial review. If the items listed above are not received within the specified timeframe, your petition will expire and you will need to submit a new petition.

If you have any questions, please call the Division of Water Rights at (916) 341-5300 or email [dwr-petitions@waterboards.ca.gov](mailto:dwr-petitions@waterboards.ca.gov). For additional information on water rights and the petition process, please refer to the Division of Water Rights petitions web page: [https://www.waterboards.ca.gov/waterrights/water\\_issues/programs/petitions/](https://www.waterboards.ca.gov/waterrights/water_issues/programs/petitions/)

**By signing on the following page, I certify under penalty of perjury under the laws of the State of California that the information provided in this petition is true and correct to the best of my knowledge and belief.**

Signature

Date

2/14/2025

Print Name

Sonoma County Water Agency

Company/Organization (if applicable)

I am the  Petitioner  Authorized Agent for this petition.

THIS SECTION FOR USE BY DIVISION OF WATER RIGHTS STAFF ONLY				
Review of Filing Fees				
Fees	Payment Amount	Payment Method	Payment Date	Staff Initials/Date
Petition Fee				
eWRIMS Record Creation				
Staff Assigned	Record ID		Staff Initials/Date	

# Survey Temporary Urgency Change Petition

You completed survey 458923 on 02/13/2025 20:51:16

## Section A.1 - Petition for Temporary Urgency Change (Water Code 1435)

### General Information

Complete this form to submit a temporary urgency change to your water right(s) pursuant to Water Code section 1435. Each water right being changed constitutes a separate petition, however one petition form may be used if the changes are adequately described in an attachment to the petition. Provide attachments as necessary. **Incomplete forms may not be accepted.** A Temporary Urgency Change Petition cannot involve an increase in the amount of appropriation or the season of use. In addition, a Temporary Urgency Change may be effective for a period of one hundred eighty days or less.

### Instructions for Filing Petition for Temporary Urgency Change

#### Filing Fees

Your petition form(s) will not be accepted for initial review unless it is accompanied by the required filing fees, including the following:

1. Fee payable to the State Water Resources Control Board. Instructions for calculating the fee are available at: Water Rights Fees ([http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/fees/](http://www.waterboards.ca.gov/waterrights/water_issues/programs/fees/)). **Send fee to the State Water Resources Control Board.**
2. Fee of \$850 payable to the California Department of Fish and Wildlife. An \$850 fee is required for all change petitions, with certain exceptions. See specific exceptions in Public Resources Code, division 10, § 10005 ([https://leginfo.legislature.ca.gov/faces/codes\\_displaySection.xhtml?lawCode=PRC&sectionNum=10005](https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=PRC&sectionNum=10005)). **Send the California Department of Fish and Wildlife fee to the State Water Resources Control Board.**

#### Transmittal Checklist

Before submitting your Petition for a Temporary Urgency Change to the Division, please check to make sure you have completed or provided all of the following items:

1. Complete the following Temporary Urgency Change Petition form. When the form is complete you will receive a notice of submittal that **must be mailed to the Division**
2. Include required petition filing fees with the mailed notice of submittal.
3. Complete the Environmental Information for Petitions form. The form can be found on the Division's Water Rights Online Forms Portal here (<https://public2.waterboards.ca.gov/mt/sites/site?siteName=WROF>).  
The following will be required to complete the Environmental Information for Petitions form:
  - I. Map(s) prepared in accordance with Cal. Code Regs., tit. 23, § 715 et seq. & 794 (<https://www.law.cornell.edu/regulations/california/title-23/division-3/chapter-2/article-7>).
  - II. Proof that the petition information was provided to, and consultation was requested with, the appropriate Regional Water Quality Control Board. (Cal. Code Regs., tit. 23, § 794, (b).) (<https://www.law.cornell.edu/regulations/california/23-CCR-794>).
  - III. Proof that the petition information was provided to, and consultation was requested with, the California Department of Fish and Wildlife if it has not already provided on the Environmental Petition Form. (Cal. Code Regs., tit. 23, § 794, (b).) (<https://www.law.cornell.edu/regulations/california/23-CCR-794>).

When you complete the process by transmitting 1) this form, 2) the Environmental Information for Petitions form, 3) any attachments, and 4) the required filing fees, your petition will be reviewed to determine whether the petition can be accepted. If your petition form(s) are found to be incomplete, Division staff will contact you to provide instructions regarding the supplemental information required and provide time to complete the form(s). Petition form(s) not accepted for filing are subject to a \$250 non-refundable initial review fee for each petition filed.



I acknowledge that I have read and understand the above information, and that I will not be able to complete my petition form unless I have compiled and provided all required information.

### Public Record Acknowledgement

The State Water Resources Control Board, Division of Water Rights, (the Water Board) is requesting personal information on this form. This form shall become a public record upon receipt by the Board. The Water Board may post the petition to its internet website and may mail the petition upon request.



I acknowledge that I have read and understand the above information. I also consent to disclosure by the Board of information provided on this form by posting to the Board's internet website, by direct or electronic mailing, or as otherwise required for the Board to act upon the petition. This consent allows the disclosure of personal information pursuant to Civil Code section 1798.24, subdivision (b) ([http://leginfo.legislature.ca.gov/faces/codes\\_displaySection.xhtml?lawCode=CIV&sectionNum=1798.24.#:~:text=An%20agency%20shall%20not%20disclose,to%20whom%20the%20information%20pertains.](http://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=CIV&sectionNum=1798.24.#:~:text=An%20agency%20shall%20not%20disclose,to%20whom%20the%20information%20pertains.)).

## Section A.2 - Water Right and Owner Information

### Water Right Information:

In order to fill out the table, press the green "+" symbol in the top right-hand corner. Once information has been entered, the green + symbol on the right side of that row must be clicked to confirm the information. For additional rows, press the green "+" symbol at the end of a row.

At least one of the following water right ID numbers must be filled out. If the petition for change form is related to other water rights, please provide the corresponding water right information in the table below.

Application or Statement IDs should follow this format A##### or S#####.

Water Right Type	Application or Statement ID	Permit Number	License Number
Appropriative Permit	19351	16596	

If you are filing this form for changes to multiple rights associated with the same project and the online form is too restrictive to allow you to enter the information needed, you may describe the changes in an attachment. **Check the box below if the online form is not sufficient to describe your change(s) to multiple water rights** and you will be prompted to attach descriptions of the proposed changes.

Click here if you meet the above conditions

### Owner Information:

If you are filing as a company, government entity, city, etc. leave the first name and last name blank.

**First Name:**  **Last Name:**  **Organization Name:**   
**Contact Person:**  **Phone Number:**  **Email:**

If entering a P.O. Box for the address, please include "P.O. Box" in the Address field.

Example: P.O. Box 1234.

**Address:**  **City:**  **State/Province:**  **Zipcode:**

### Agent Information:

Do you wish to designate an agent?  Yes  No

## Section B.1 - Requested Changes

Use the following navigation buttons to return to the previous pages:

Check all requested changes that apply:



Point of Diversion

- Point of Rediversion
- Purpose of Use
- Place of Use
- Redistribution of Storage
- Terms and Conditions

## Section B.2.0 - Point(s) of Diversion or Rediversion Coordinate System

Provide the following information of the present and proposed diversion points<sup>1</sup>.

Which map coordinate system are you using to describe the location of the point(s) of diversion and/or rediversion? 

- North American Datum of 1983 (NAD 83)
- Latitude and Longitude

[1] If adding underground storage, please fill out Underground Storage Supplement to Petition for Change form.

## Section B.2.1 - Point(s) of Diversion or Rediversion (NAD 83) Table

Enter the points in the order that you would like them to be arranged in your petition, with the primary point (if one exists) being identified first. Rows may be added to the tables below by clicking the "+" sign, edited using the pencil icon, and deleted using the trash icon. A point name may also be entered for each point designated to allow accurate identification of your points in the coming sections. Click the "Next" button after you have entered information for all points.

Point Name	Description of Point
Sebastopol Road Well	Groundwater Recharge and Production Well - Aquifer Storage and Recovery

## Section B.2.2 - Point(s) of Diversion or Rediversion (NAD 83) Details

In this section, you will provide the basic information related to the point locations you identified on the previous page. For each point location identified, provide the requested information below. Once complete, you can move to the next point location by clicking the ">" button near the bottom of this section. The navigation tools will allow you to move readily between points. Once all the information requested below has been provided for each point, please click "Next" and you will move on. If you would like to add, delete, or make edits to your point location, click on "Previous" at the bottom of the page.

If the existing point of diversion is currently described in your permit or license using bearing and distance from a section corner or monument, you may leave the "Existing" POD information blank or enter as NAD 83 format.

Point 1 of 1.

Point Name: Sebastopol Road Well

### Point Type Location Details

POINT DETAILS		
ATTRIBUTE	Present	Proposed
California Coordinates North (NAD 83)	1911494.43	
California Coordinates East (NAD 83)	6332008.03	
California Coordinates Zone	2	-Select-
1/4 of 1/4 Section	NE	-Select-
1/4 Section	SE	-Select-
Section	36	-Select-
Township and Direction	07N	-Select-
Range and Direction	9W	-Select-

Base and Meridian	Mount Diablo	-Select-
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### Section B.3 - Duration of Change

The temporary urgency change(s) cannot exceed 180 days and is to be effective from:

Start Date   to End Date 

\*Please select a start date prior to an end date.

\*\*If you are experiencing issues, select any date from the calendar pop-up and edit the numbers within the textbox by typing.

### Section C.1 - Urgent Need

Use the following navigation buttons to return to the previous pages:

Section A.1 - Introduction	Section B.1 - Requested Changes
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Explain the "Urgent Need" (Water Code 1435(c) ([http://leginfo.legislature.ca.gov/faces/codes\\_displaySection.xhtml?sectionNum=1435&lawCode=WAT](http://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?sectionNum=1435&lawCode=WAT))) that is the basis of this temporary urgency change petition (attach additional information as necessary):

Since 2013, the Russian River has experienced two multi-year droughts in 2013-2015 and 2020-2022. Both droughts resulted in declarations of insufficient water supplies and subsequent water rights curtailments. Sonoma Water's water rights on the Russian River are its primary water supply. In the droughts, Sonoma Water's permits were subject to curtailments and mandatory conservation measures. To improve its water supply resiliency, Sonoma Water requests this temporary urgency change to conduct an aquifer storage and recovery pilot study at its well in the Santa Rosa Plain groundwater basin, which is funded by a grant from the Department of Water Resources. This study will help quantify the benefits of storing surplus water available in the winter in the aquifer to offset a portion of the summer demands on the Russian River.

 Upload Documents here (optional)

No file selected

(Uploaded files:) ----- No files uploaded -----  
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### Section C.2 - Injury to Users



Describe how this temporary urgency change will be made without injury to any lawful user of water.  
If this petition is granted, Sonoma Water will still be required to maintain the specified minimum instream flows in the Russian River. Because Sonoma Water will continue to make reservoir releases as necessary to satisfy minimum instream flow requirements and to pass through natural and abandoned flows for downstream senior

water rights, all legal users of water will still be able to divert and use the amounts of water that they are legally entitled to. Accordingly, granting this petition will not result in any injury to any other lawful user of water.

Upload Documents here (optional)

Choose File No file selected

Upload

(Uploaded files:)

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### Section C.3 - Other Diverters

Is any person(s) taking water from the stream between the old point of diversion or redirection and the proposed point?  Yes  No  Not Applicable

### Section C.4 - Effect on Fish/Wildlife



Describe how this temporary urgency change may be made without unreasonable effect upon fish, wildlife, and other instream beneficial uses.

If the petition is granted, Sonoma Water will still be required to maintain the specified minimum instream flows in the Russian River in its permits. Sonoma Water will continue to make reservoir releases as necessary to satisfy minimum instream flow requirements and pass through natural and abandoned flows for instream benefits. The authorized recharge volume of 50 acre-feet would represent less than 0.2% of Sonoma Water's diversions over the same period in 2024. The requested change would not result in any alteration of river diversion infrastructure and not significantly change normal operations. Accordingly, granting this petition will not result in any unreasonable effects upon fish, wildlife or other instream beneficial uses.

Upload Documents here (optional)

Choose File No file selected

Upload

(Uploaded files:)

----- No files uploaded -----

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### Section C.5 - California Department of Fish and Wildlife

Have you consulted the California Department of Fish and Wildlife concerning this proposed temporary change?  Yes  No

State the name and phone number of the person contacted and the opinion concerning the potential effects of your proposed temporary urgency change on fish and wildlife and state the measures required for mitigation:

Name

Phone Number

Craig J. Weightman

707-339-1332

Provide any additional explanation here on feedback provided by CDFW staff. Please also upload available correspondence or proposed conditions provided by CDFW staff.

The California Department of Fish and Wildlife (CDFW) was contacted about potential adverse effects of the project on sensitive species. Craig Weightman, Environmental Program Manager, at CDFW responded on March 2, 2022, and indicated that the project's protective measures were adequate to avoid impact to the threatened California tiger salamander and endangered Sebastopol meadowfoam, and no permit was required for the well modification construction project.

You may upload any relevant attachments here

Choose File No file selected

Upload

(Uploaded files:)

----- No files uploaded -----

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## Section D.1 - Review

Use the following navigation buttons to return to the previous pages:

Section A.1 - Introduction

Section B.1 - Requested Changes

Section C.2 - Injury To Users

You can view a summary of your petition before submitting by clicking here (/MT/TakeSurvey/Summary?surveysTakenId=458923&surveyId=1125). The summary will open in a new tab. To return to this screen, simply close the tab with the petition summary. If you need to make changes to your petition, you may use the navigation buttons at the bottom of this page, the Prev button to return to previous pages. You will not be able to edit your petition after you submit.

## Section D.2 - Certification

I (we) declare under penalty of perjury that the information within this survey is true and correct to the best of my (our) knowledge and belief.

By entering your name on the signature line, you are certifying the above (entering your name qualifies as signing the petition form).

If you need to go back and edit the form, you will need to enter your information on this page and then click on the "Prev" button at the bottom of the page.

I am the:

Water Right Owner  Authorized Agent

Signature:

Date:

# State Waterboard Environmental Info For Petitions

You completed application 459031 on 02/14/2025 09:12:20

## Section A.1 - Introduction of Environmental Information for Petition(s)

### GENERAL INFORMATION

This form is required for all petitions, including change petitions, time extension petitions, water right splits, wastewater change petitions and instream flow dedication petitions.

Before the State Water Resources Control Board (State Water Board) can approve a petition, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared, a determination must be made of who is responsible for its preparation. As the petitioner, you are responsible for all costs associated with the environmental evaluation and preparation of the required CEQA documents. Please answer the following questions to the best of your ability and submit any studies that have been conducted regarding the environmental evaluation of your project. If you need more space to completely answer the questions, please number and attach additional sheets.

Certification ★

I acknowledge that I have read and understand the above information and that I will not be able to complete my petition form unless I have compiled all the required information.

Please enter the form number of the petition to which this environmental information corresponds. You can find this form number on your notice of submittal you received via email when submitting your petition form. The form number will be listed as WRA#####. **Input just the numbers after WRA below.** If you have not yet completed a petition form, please do so first and then return to this form.

★ Form Number

If this environmental information form corresponds to multiple petitions forms, please list each additional form number in its own box below.

Form Number 2

Form Number 3

Form Number 4

Form Number 5

### Public Record Acknowledgement

The State Water Resources Control Board, Division of Water Rights, (the Water Board) is requesting personal information on this form. This form shall become a public record upon receipt by the Board. The Water Board may post the petition to its internet website and may mail the petition upon request.

★

I acknowledge that I have read and understand the above information. I also consent to disclosure by the Board of information provided on this form by posting to the Board's internet website, by direct or electronic mailing, or as otherwise required for the Board to act upon the petition. This consent allows the disclosure of personal information pursuant to Civil Code section 1798.24, subdivision (b).

## Section A.2 - Description of Changes

### Water Right Information:

This form is required for all petitions, including change petitions, time extension petitions, water right splits, wastewater change petitions and instream flow dedication petitions.

In order to fill out the table, press the green "+" symbol in the top right-hand corner. Once information has been entered, the green + symbol on the right side of that row must be clicked to confirm the information. For additional rows, press the green "+" symbol at the end of a row.

At least one of the following water right numbers must be filled out. If this form is related to other water rights, please provide the corresponding water right information in the table below.

Application or Statement IDs should follow this format A##### or S#####.

Water Right Type	Application or Statement ID	Permit Number	License Number
Appropriative Permit	19351	16596	

Is your petition a petition for extension of time? ★  
 Yes |  No

**DESCRIPTION OF PROPOSED CHANGES OR WORK REMAINING TO BE COMPLETED**

Provide a description of the proposed changes to your project including, but not limited to:

- Type of construction activity,
- Structures that are existing and that may be built,
- Area to be graded or excavated,
- Increase in water diversion or use,
- Changes in land use,
- Project operational changes, including changes in the timing of diversions or uses, or changes in how the water will be used.

For a petition for extension of time, provide a description of what work has been completed and what remains to be done. Include in your description any of the above elements that will occur during the requested extension period.

★  
 Include in your description any of the above elements that will occur during the requested extension period.  
 (Note: Text box size can be adjusted by clicking on the bottom right corner of the text box and dragging to the desired size.)

See project memo in Attachment 1

Upload Documents here (optional)

Choose File No file selected

Upload

(Uploaded files:)

Delete Attach1\_Memo\_SebWell-ASR\_11feb2025.pdf (/MT/TakeSurvey/Download? fileName=1110\_459031\_78788\_EnvironmentalIn\_\_UploadChangesOrWorkToBeCompletedFiles\_1.i  
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**Section B.1 - Environmental Documents**

Has any California public agency prepared an environmental document for your project? ★  Yes  No

**Section B.2 - Environmental Documents - Already Prepared**

Submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency.

Name of California Public agency: ★ Sonoma  
 County Water Agency

State Clearing House Number: ★  
 20230106

State Clearing House Document Date: ★  
 01/30/2023

Upload Documents here (optional)

Choose File No file selected

Upload

(Uploaded files:)

Delete NOE\_Sebastopol\_ASR\_signed\_2023-01-30\_REDACTED.pdf (/MT/TakeSurvey/Download? fileName=1110\_459031\_78838\_EnvironmentalIn\_\_UploadOfEnvDocsAlreadyPrepared\_1.pdf)  
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## Section C.1 - Coordination with Regional Water Quality Control Board

Use the following navigation buttons to return to the previous pages:

[Section A.1 - Introduction](#)

[Section B.1 - Environmental Documents](#)

Petitioners must request consultation with the appropriate Regional Water Quality Control Board (RWQCB) regarding the potential effects of your proposed change on water quality and other instream beneficial uses. (Cal. Code Regs., tit. 23, § 794, (b). ([https://govt.westlaw.com/calregs/Document/IB9C38FC0D45A11DEA95CA4428EC25FA0?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/calregs/Document/IB9C38FC0D45A11DEA95CA4428EC25FA0?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)))) To determine the appropriate RWQCB office for consultation, see: [https://www.waterboards.ca.gov/waterboards\\_map.html](https://www.waterboards.ca.gov/waterboards_map.html) ([https://www.waterboards.ca.gov/waterboards\\_map.html](https://www.waterboards.ca.gov/waterboards_map.html))

For petition for change only: Provide the RWQCB contact information and the date you submitted the request for consultation below:

Person Contacted First Name:

Christopher

Person Contacted Last Name:

Watt

Date of Contact:

01/15/2025

Office:

Santa Rosa

Phone Number:

(707) 576-2220

Permit Type Required for Project (if any):

Permit Status (if applicable):

Will your project, during construction or operation, (1) generate waste or wastewater containing sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?  Yes  No

Please provide additional information:

During the construction phase of the rehabilitation and retrofit of the extraction/injection well, wastes were generated that include metal and industrial chemicals. No construction work was completed for this project in the vicinity of the points of diversion or source watercourse.

Will a waste discharge permit be required for the project?  Yes  No

If necessary, provide additional information:

On January 15, 2025, Marcus Trotta, Sonoma Water Principal Hydrogeologist met with North Coast Regional Water Quality Control Board staff Christopher Watt to discuss the ASR pilot study and the pending submittal of a permit application seeking a Notice of Availability for waste discharge requirements under the State Water Resources Control Board Water Quality Order 2012-0010, 'General Waste Discharge Requirements for Aquifer Storage and Recovery Projects That Inject Drinking Water Into Groundwater'.

## Section C.2 - Coordination with the California Department of Fish and Wildlife

Those submitting a petition for change must request consultation with the Department of Fish and Wildlife (DFW) regarding the potential effects of your proposed change on fish, wildlife, and plant resources, and their habitats. (Cal. Code Regs., tit. 23, § 794, (b). ([https://govt.westlaw.com/calregs/Document/IB9C38FC0D45A11DEA95CA4428EC25FA0?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/calregs/Document/IB9C38FC0D45A11DEA95CA4428EC25FA0?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)))) To determine the DFW appropriate office for consultation, see: <http://www.wildlife.ca.gov/Regions> (<http://www.wildlife.ca.gov/Regions>)

Person Contacted First Name:

Craig

Person Contacted Last Name:

Weightman

Date of Contact:

03/02/2022

Office: Bay Delta Region

Phone Number:  
(707) 428-2002

none

Permit Type Required for Project and/or  
Consultation Status:

Describe any concerns identified by  
CDFW staff, or whether CDFW stated  
there were no concerns related to this  
project. If your project has the potential to  
impact any threatened and endangered  
species or if there are any other known  
environmental impacts, also provide the  
information here.

Mr. Weightman indicated that the project's protective measures  
were adequate to avoid impact to the threatened California tiger  
salamander and endangered Sebastopol meadowfoam, and no  
permit was required for the well modification construction project.

Upload any related correspondence with  
CDFW or additional explanation if  
available.

Choose File No file selected  
Upload

(Uploaded files:)

Delete SebWell\_CDFW\_1Mar22 REVISED.pdf (/MT/TakeSurvey/Download?  
fileName=1110\_459031\_114669\_Environmentalln\_\_AddInfo\_1.pdf)

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### Section C.3 - Local Permits

For **temporary transfers only**, you must submit a copy of the Petition for Transfer and Environmental Information form to the board of supervisors for the county(ies) both for where you currently store or use water and where you propose to transfer the water. (Wat. Code § 1726. ([http://leginfo.ca.gov/faces/codes\\_displaySection.xhtml?sectionNum=1726&lawCode=WAT](http://leginfo.ca.gov/faces/codes_displaySection.xhtml?sectionNum=1726&lawCode=WAT)))

Person Contacted First Name: Person Contacted Last Name:  
Date of Contact: Department: Phone Number:

For **change petitions only**, you should contact your local planning or public works department and provide the information below.

Person Contacted First Name: Person Contacted Last Name:  
Date of Contact: Department: Phone Number:

County Zoning Designation:

Are any county permits required for your project?  Yes  No

Indicate type below.

- Grading Permit
- Use Permit
- Watercourse
- Obstruction Permit
- Change of Zoning
- General Plan Change
- Other

If "Other" type was selected, explain  
here:

1) City of Santa Rosa: Sewer Discharge Permit, One-Time  
Discharge Permit SR-1X09552, 3/25/2022 2) Sonoma County  
Permit Sonoma: Well Permit Application, Well Destruction and  
Modification, 7/8/2022

If applicable, have you obtained any of the permits listed above?  Yes  No

If yes, attach copies of permits. If no, provide status of needed permits. If necessary, provide additional information here:

Upload Documents here (optional)

Choose File No file selected

Upload

(Uploaded files:)

Delete Sonoma Water Discharge Permit-Sebastopol Ave. Well\_Final Conditions 03252022.pdf (/MT/TakeSurvey/Download? fileName=1110\_459031\_79007\_Environmentalln\_\_CountyPermitUploads\_1.pdf)

Delete Permit for Modification of Well 2 and Destruction of Well 1 060-060-063 - WEL22-0242 DOCS.pdf (/MT/TakeSurvey/Download? fileName=1110\_459031\_79007\_Environmentalln\_\_CountyPermitUploads\_2.pdf)

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## Section C.4 - Federal and State Permits

Provide information for any additional Federal and/or State agencies that may require permits or other approvals for your project.:

Some Federal/State agencies that may require permits or other approvals are:

- Regional Water Quality Control Board ([https://www.waterboards.ca.gov/about\\_us/contact\\_us/rwqcb](https://www.waterboards.ca.gov/about_us/contact_us/rwqcb))
- California Coastal Commission (<https://www.coastal.ca.gov/>)
- U.S. Forest Service (<https://www.fs.usda.gov/>)
- Natural Resources Conservation Service (<https://www.nrcs.usda.gov/wps/portal/nrcs/site/national/home>)
- State Water Resources Control Board (<https://www.waterboards.ca.gov/>)
- Department of Fish and Wildlife (<https://wildlife.ca.gov/>)
- Department of Water Resources, Division of Safety of Dams (<https://water.ca.gov/Programs/All-Programs/Division-of-Safety-of-Dams>)
- State Reclamation Board (<https://www.usbr.gov/mp/>)
- U.S. Army Corps of Engineers (<https://www.usace.army.mil/>)
- Federal Energy Regulatory Commission (<https://www.ferc.gov/>)
- Bureau of Land Management (<https://www.blm.gov/california>)

For each agency from which a permit is required, provide the following information:

Agency	Permit Type	Person(s) Contacted	Contact Date	Phone Number	Status
Regional Water Quality Control Board	Waste Discharge	Christopher Watt	01/15/2025	(707) 576-2220	In Progress
					-Select-

If you selected a status of "Other", please explain:

Sonoma Water is subject to Water Quality Order No. 2014-0194-DWQ, General Order No. CAG140001, Statewide National Pollutant Discharge Elimination System Permit for Drinking Water System Discharges to Waters of the United States (Drinking Water Permit). The Drinking Water Permit requires Sonoma Water to reduce pollutants in discharges associated with drinking water discharges by implementing Best Management Practices (BMPs), conducting monitoring and following reporting requirements.

Have you obtained any of the permits listed above?  Yes  No  None Required

## Section C.5 - Construction and Grading Activity

Does the project involve any construction or grading activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake?

Yes  No

## Section C.6 - Environmental Setting

For all petitions other than time extensions, attach a complete set of color photographs, clearly dated and labeled, showing the vegetation that exists at the below-listed four locations.

- Along the stream channel immediately downstream from the proposed point(s) of diversion.
- Along the stream channel immediately upstream from the proposed point(s) of diversion.
- At the proposed point(s) of diversion.
- At the place(s) where the water is to be used.

 Upload Documents here

No file selected

(Uploaded files:) [Delete](#) [EnviroInfo\\_Photos\\_TUCP\\_11feb2025.pdf \(/MT/TakeSurvey/Download?fileName=1110\\_459031\\_79200\\_Environmentaln\\_\\_UploadofPhotosofPODandPOU\\_1.pdf\)](#)  
0%

## Section C.7 - Maps

**For all petitions other than time extensions**, attach maps labeled in accordance with the regulations showing all applicable features, both present and proposed, including but not limited to: point of diversion, point of redirection, distribution of storage reservoirs, place of use, and location of instream flow dedication reach. (Cal. Code Regs., tit. 23, §§ 715 et seq. & 794

([viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)\)\)](https://govt.westlaw.com/calregs/Document/I9A273720D45A11DEA95CA4428EC25FA0?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)))</a></p></div><div data-bbox=)

Pursuant to California Code of Regulations, title 23, section 794, petitions for change submitted without maps may not be accepted.

  Upload Documents here (optional)

No file selected

(Uploaded files:) [Delete](#) [TUCP\\_Figure1\\_Map.pdf \(/MT/TakeSurvey/Download?fileName=1110\\_459031\\_79247\\_Environmentaln\\_\\_UploadofMaps\\_1.pdf\)](#)  
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## Section D.1 - Review

Use the following navigation buttons to return to the previous pages:

[Section A.1 - Introduction](#)

[Section B.1 - Environmental Documents](#)

[Section C.1 - Coordination with RWQCB](#)

You can view a summary of your form before submitting by clicking here ([/MT/TakeSurvey/Summary?surveysTakenId=459031&surveyId=1110](#)). The summary will open in a new tab. To return to this screen, simply close the tab with the summary. If you need to make changes to your form, you may use the navigation buttons at the top of this page, or the Prev button below to navigate to previous pages. You will not be able to edit your form after you submit.

## Section D.2 - Certification

  I (we) declare under penalty of perjury that the information within this survey is true and correct to the best of my (our) knowledge and belief.

By entering your name on the signature line, you are certifying the above (entering your name qualifies as signing the petition form). If you need to go back and edit the form, you will need to enter your information on this page and then click on the "Prev" button at the bottom of the page.

I am the:

Water Right Owner     Authorized Agent

Signature:

Date:



## MEMORANDUM

**DATE:** FEBRUARY 11, 2025

**SUBJECT:** WATER RIGHTS FOR SEBASTOPOL ROAD WELL AQUIFER STORAGE AND RECOVERY PILOT STUDY

### Purpose

This memorandum provides project information about the Sebastopol Road Well Aquifer Storage and Recovery (ASR) Pilot Study, a component of Sonoma Water's Water Supply Resiliency Program, in support of Sonoma Water's filing of a Temporary Urgency Change Petition on water right Permit 16596 (A019351) for the purposes of providing surface water to conduct pilot testing of a newly retrofitted groundwater production well that is capable of injection in and extraction from the Santa Rosa Plain groundwater subbasin of the Santa Rosa Valley basin.

### Petition Request

Sonoma Water requests that existing water right Permit 16596 (A019351) be modified under a Temporary Urgency Change Petition (TUCP) for a period of 180 days starting June 1, 2025 to authorize diversions and rediversions from existing points of diversion/redirection to support a maximum recharge rate of 1.2 cubic feet per second (cfs) and total amount up to 50 acre-feet (ac-ft) to underground storage in the Santa Rosa Plain subbasin using Sonoma Water's existing water system infrastructure and a retrofitted Sebastopol Road Well. Approval of the TUCP would authorize the use of water to conduct the ASR pilot testing at a new point of redirection, the injection/extraction well located on Sebastopol Road near the City of Sebastopol. The maximum extraction rate for the pilot test at the Sebastopol Road Well would be 2.3 cfs.

### Sebastopol Road Well ASR Pilot Test

The ASR pilot test for the Sebastopol Road Well will use existing infrastructure to deliver recharge water from the Russian River to the well site. New construction at the Sebastopol Road Well allows the well to operate in production and recharge modes. The water used for recharge is potable drinking water from Sonoma Water's transmission system. During the pilot testing, the Sebastopol Road Well will operate at a maximum recharge rate of 1.2 cfs and maximum production rate of 2.3



cfs. A total amount of recharge and recovery of up to 50 ac-ft is anticipated. Figure 1 shows an overall project map that includes Sonoma Water's production and transmission facilities, the Sebastopol Road Well site, and the groundwater subbasin.

### Background

Sonoma Water provides a regional water supply for cities and water districts in Sonoma and Marin counties. The water supply is predominantly reliant on the Russian River and the two reservoirs in its watershed, Lake Mendocino and Lake Sonoma. In total, Sonoma Water holds four water rights permits for water supply in the Russian River with a total diversion and use limit of 75,000 ac-ft per year. Additionally, Sonoma Water has three groundwater production wells located in the Santa Rosa Plain groundwater subbasin that have a combined approximate capacity of 5.5 million gallons per day (8.5 cfs).

Sonoma Water is responsible for reservoir operations for water supply at Lake Mendocino on the East Fork Russian River near Ukiah and Lake Sonoma on Dry Creek near Healdsburg. Sonoma Water controls and coordinates water supply releases from the reservoirs for downstream uses and maintaining instream flows according to the minimum instream flow requirements specified in water rights Decision 1610, which the State Water Resources Control Board (State Water Board) adopted on April 17, 1986.

Sonoma Water operates a water production and transmission system to deliver water primarily to ten public water systems and four private water systems. Water is diverted from the Russian River near Forestville from six radial collector wells located at the Wohler and Mirabel Production Facilities. At these facilities, water treatment is accomplished via riverbank filtration with subsequent chlorination and corrosion control with pH adjustment. Sonoma Water's transmission system comprises over 87 miles of pipeline that range in diameter from 16 to 54 inches, 18 finished water storage tanks with a combined storage capacity of 129 million gallons, and six booster pump stations. The three groundwater wells—Sebastopol Road, Occidental Road and Todd Road—are located along the central section of the 48-inch Cotati Aqueduct that runs from the Mirabel Production Facility to the City of Cotati through the Santa Rosa Plain located west of Santa Rosa. All three wells are located within a 3.25 mile stretch of the Cotati Aqueduct.



In 2022, Sonoma Water received a grant from the Department of Water Resources under the Urban and Multi-Benefit Drought Relief Program to upgrade, rehabilitate and/or replace and add aquifer storage and recovery capabilities at two of Sonoma Water's groundwater production wells.

#### Sonoma Water's Water Rights

Sonoma Water holds four water rights permits for water supply in the Russian River watershed. Permit 12947A (A012919A) is the most senior water right and authorizes year-round diversions to storage of up to 122,500 ac-ft per year in Lake Mendocino as well as 37,544 ac-ft per year of combined diversions and rediversions at a maximum rate of 92 cfs from the East Fork Russian River. Permit 16596 (A019351) authorizes year-round diversions to storage of up to 245,000 ac-ft per year in Lake Sonoma as well as combined diversions and rediversions at a maximum rate of 180 cfs from Dry Creek and the Russian River. Permit 12949 (A015736) authorizes year-round direct diversions from the Russian River at a maximum rate of 20 cfs. Permit 12950 (A015737) authorizes direct diversions from the Russian River at a maximum rate of 60 cfs from April 1 through September 30.

Sonoma Water's water supply water rights are subject to aggregate limits with a combined maximum diversion rate of 180 cfs and annual total of 75,000 ac-ft per year.

#### Water Supply Resiliency Project

Sonoma Water's Water Supply Resiliency Project was initiated to expand and improve the resiliency of the drinking water supply for over 620,000 people in Sonoma and Marin counties, while also supporting sustainable groundwater management with the implementation of an ASR program.

Sonoma Water's three groundwater production wells have proved to be an important supplement to its main water supply source in the Russian River, particularly during droughts and other water supply shortages. All three well sites were developed in 1979 in response to the 1976-1977 Drought. The original wells at the Sebastopol Road and Occidental Road well sites were replaced in 1999. The wells were taken off-line around 2017 due to infrastructure limitations that didn't meet the new criteria for establishing chlorine contact times. Until the 2020-2022 Drought, these wells remained inactive. In October 2021, Sonoma Water was able to reactivate the Todd Road Well after construction upgrades were completed. The Water Supply Resiliency Project includes retrofits to the Sebastopol Road Well and replacement of the Occidental Road Well. The improvements to these groundwater production well facilities are required to reach compliance with the current drinking



water standards as well as add aquifer storage and recovery capabilities. With all three groundwater wells operational, Sonoma Water's water supply portfolio will include an additional 1,400 ac-ft per year for use during drought years or when Russian River supplies are otherwise constrained. The ASR component of the Water Supply Resiliency Project will help ensure that groundwater resources are sustainably managed. Each of the two wells are being retrofit to allow injection and extraction with recharge during the winter and spring with water from the Russian River via Sonoma Water's water production and transmission system. Sonoma Water expects that the ASR capacity will reach up to 500 acre-feet per year of recharge between the two facilities.

The wells are located in the Santa Rosa Plain Groundwater Subbasin (Subbasin), a medium priority basin subject to the requirements of the Sustainable Groundwater Management Act (SGMA). The Santa Rosa Plain Groundwater Sustainability Agency is responsible for SGMA implementation in the subbasin and has developed a Groundwater Sustainability Plan (GSP) that includes ASR as a key project for achieving and maintaining sustainable conditions within the Subbasin. The subbasin spans both urban and rural areas and provides a groundwater supply for various uses including irrigation, domestic, commercial, industrial and public water systems.

The purpose of the project is to provide supplemental water to help mitigate ongoing and future drought impacts to municipal water providers and provide ancillary benefits to other beneficial users of groundwater within the Santa Rosa Plain Groundwater Subbasin by recharging a portion of the groundwater extracted by the well.

#### Sebastopol Road Well Activation and Aquifer Storage and Recovery (ASR) Project

The Sebastopol Road Well project consists of adding ASR capabilities by retrofitting the existing production well, including appurtenances and downhole well components necessary for recharge of water diverted/rediverted from the Russian River to the underlying aquifer. Flows during the winter/spring would provide water from the Russian River delivered via the Cotati Aqueduct that would be recharged into the aquifer. The recharge water would be recovered and available for use during periods of drought, other emergencies and routine production needed to maintain the efficiency of the wells. The Sebastopol Road Well when fully operational is expected to have the capacity to recharge and recover 250 acre-feet per year.



Construction for the project is limited to the existing well site at Sebastopol Road. Retrofits of the existing well included rehabilitating well screen, installing new filter pack and modifying the screened interval. In addition to the production well improvements, the chlorination system and underground and aboveground ancillary piping and appurtenances are under construction. Valves and flow meters have been installed to switch between recharge and recovery cycles and measure the volumes of water that are recharged and extracted. A connection to the City of Santa Rosa's reclaimed water line was established to dispose of wastewater from the well. Lastly, the project included the destruction of the original abandoned well onsite. Construction work is expected to be completed in May 2025.

Other than the construction in the vicinity of the well site, there is no additional construction required at any other of Sonoma Water's diversion and transmission facilities.

Pilot testing of the new ASR infrastructure is expected to commence in June 2025. Pilot testing will evaluate groundwater conditions at the site to establish expected operational parameters for long-term operation. This will include:

- Quantifying the hydraulic characteristics of the aquifer and its capacity to accept recharge
- Monitoring groundwater level responses to ASR operations
- Assessing the chemical compatibility of the native groundwater with the recharge water for from Sonoma Water's Cotati Aqueduct
- Establishing ASR operational requirements

#### Hydrogeologic Setting and Monitoring Well Network

The Sebastopol Road Well is located in the Santa Rosa Plain Groundwater Subbasin (1-055.01) in the Santa Rosa Valley Basin. The Santa Rosa Plain Subbasin spans an 81,284-acre region that includes the cities of Santa Rosa, Windsor, Sebastopol, Rohnert Park and Cotati. The extents of the subbasin are shown in Figure 1. The total groundwater storage in the subbasin is estimated at 4.313 million ac-ft based on Department of Water Resources Bulletin 118 (2004). The sustainable yield of the subbasin, defined as the quantity of groundwater that can be pumped on a long-term average annual basis without causing undesirable results, is estimated to be 23,900 ac-ft per year (Santa Rosa Plain Groundwater Subbasin, Groundwater Sustainability Plan, Sonoma Water, 2022).

The groundwater resources in the subbasin are delineated into two aquifers. The aquifers are defined as follows:



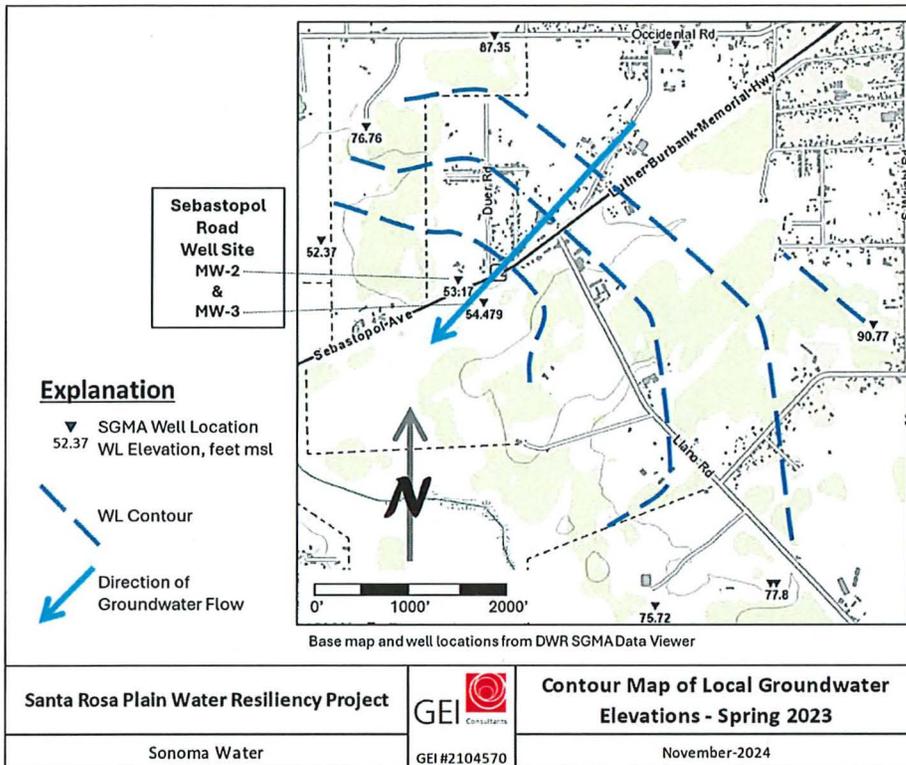
- **Shallow Aquifer:** Comprised primarily of Quaternary alluvium and the Glen Ellen Formation, and extends to a depth of 150 to 200 feet below ground surface, under unconfined to semiconfined conditions
- **Deep Aquifer:** Comprised of the Wilson Grove, Petaluma, and Sonoma Volcanic formations, and extends from approximately 200 feet below ground surface with highly variable thickness ranging up to several hundred feet under semiconfined to confined conditions

The two aquifers are separated by varying degrees depending on the local nature and thickness of clay aquitards across the basin. The Shallow Aquifer recharges from direct infiltration of rainfall, applied water, and surface water. The Deep Aquifer is understood to be primarily recharged from leakage from the Shallow Aquifer and direct mountain-front recharge along the margins of the Santa Rosa Valley.

Local groundwater elevations are monitored by Sonoma Water with six existing observation wells (MW-1, MW-2, MW-3, MW-4, MW-7, pilot observation well) that are located within approximately 500 feet north and south of the Sebastopol Road Well. These monitoring wells were constructed by Sonoma Water during the 1990s. Details of these wells are included in the following table.

Well	Screen Interval	Depth	Aquifer
Pilot Observation Well	730' to 840'	635'	Deep
MW-1	400' to 420'	835'	Deep
MW-2	170' to 190'	190'	Shallow
MW-3	164' to 184'	192'	Shallow
MW-4	380' to 400'	1,029'	Deep
MW-7	70' to 90'	93'	Shallow

Groundwater levels vary seasonally and are influenced primarily by the depth of the well and local pumping/recharge operations. Since 2019, the depth to groundwater measured for the two deep monitoring wells have varied seasonally between 22 and 52 feet below ground surface. The groundwater contour map below was developed by GEI Consultants to show water elevations near the Sebastopol Road Well for Spring 2023.



A review of historic water levels for monitoring well MW-2 shows a generally increasing trend in water levels over the last 15 years. In September 2009, MW-02 was at its recent historic low elevation of 11 feet NAVD88 (75 feet below ground surface). The recent historical maximum water elevation occurred in May 2024 with an elevation measured at 59.4 feet NAVD88 (26.6 feet below ground surface).

Sebastopol Road Well Details

The well site at Sebastopol Road was constructed in 1979. The original well onsite was abandoned and replaced by a second well that was constructed in 1999. As described above, the original well was destroyed under this ASR project.

Under the original construction, the well was constructed of nominal 16-inch diameter mild steel casing and stainless-steel louvered screen with a 55-slot (0.050-inch) to a depth of 1,040 feet. The well was constructed to pull from the Deep Aquifer with original screen intervals ranging from 410 to 840 feet and from 890 to 1,020 feet. Under this project, the well was modified such that the new well depth is 860 feet, and the screen interval is 410 to 840 feet.

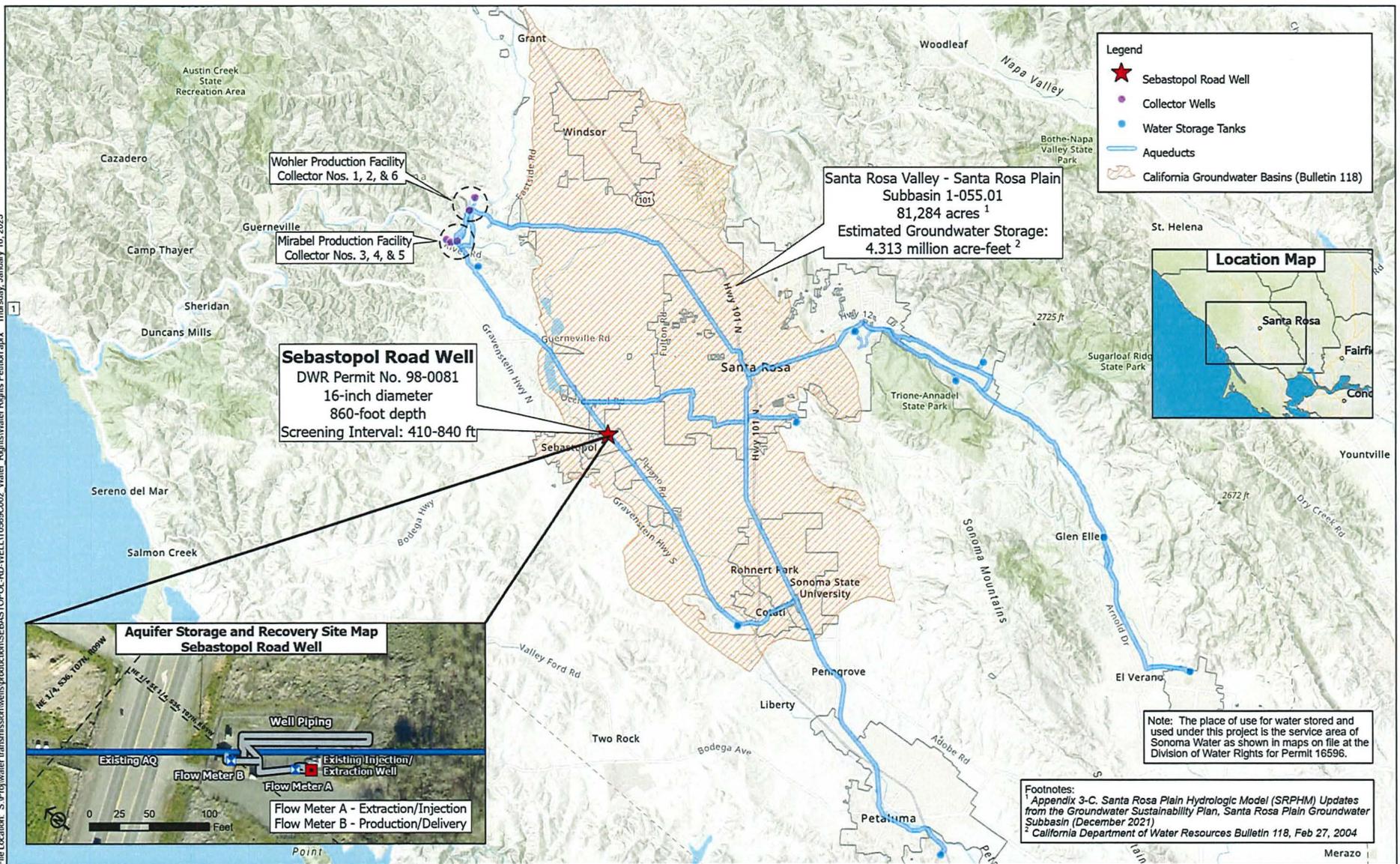


According to the original Well Completion Report (October 1999), the well produced 2,200 gallons per minute (gpm) with 120 feet of drawdown during a 24-hour period for a specific capacity of 18 gpm per foot of drawdown (gpm/ft-dd). Recent pump tests conducted in May 2022 (17 hours at 1200 gpm) showed a slight decline in specific capacity at 16 gpm/ft-dd. The well operated at rates ranging from approximately 1,500 to 2,000 gpm relatively continuously between 2001 and 2009 and seasonally during the 2013 to 2015 drought.

Pump tests were conducted in August 2022 to assess the well's current screen interval. The well was pumped at an average rate of 1,126 gpm for a 30-hour constant-rate pumping test. The following aquifer characteristics were determined:

- Transmissivity: 12,800 gallons per day per foot
- Hydraulic Conductivity: 30 gallons per day per square foot; 4.0 feet per day

File Location: S:\Pro\water transmission\wells\production\SEBASTOPOL\_RD.WELL\10569C002 - Water Rights\Water Rights Petition.aprx Thursday, January 18, 2025



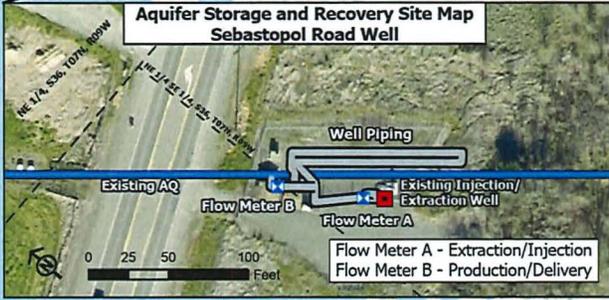
**Legend**

- ★ Sebastopol Road Well
- Collector Wells
- Water Storage Tanks
- Aqueducts
- California Groundwater Basins (Bulletin 118)



**Sebastopol Road Well**  
 DWR Permit No. 98-0081  
 16-inch diameter  
 860-foot depth  
 Screening Interval: 410-840 ft

**Santa Rosa Valley - Santa Rosa Plain**  
 Subbasin 1-055.01  
 81,284 acres<sup>1</sup>  
 Estimated Groundwater Storage:  
 4.313 million acre-feet<sup>2</sup>



Note: The place of use for water stored and used under this project is the service area of Sonoma Water as shown in maps on file at the Division of Water Rights for Permit 16596.

**Footnotes:**  
<sup>1</sup> Appendix 3-C. Santa Rosa Plain Hydrologic Model (SRPHM) Updates from the Groundwater Sustainability Plan, Santa Rosa Plain Groundwater Subbasin (December 2021)  
<sup>2</sup> California Department of Water Resources Bulletin 118, Feb 27, 2004

**Sebastopol Road Well Aquifer Storage and Recovery Pilot Study Project**



0 1.5 3 Miles

Figure 1



## Notice of Exemption

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To:  Office of Planning and Research  
P.O. Box 3044, Room 212  
Sacramento, CA 95812-3044

From: Sonoma County Water Agency  
404 Aviation Blvd.  
Santa Rosa, CA 95403

Sonoma County Clerk  
585 Fiscal Drive, Room 103  
Santa Rosa, CA 95403

**Project Title:** Emergency Aquifer Storage and Recovery at Sebastopol Road Well Project

**Project Location - Specific:** 5590 Sebastopol Road (Highway 12), Sonoma County, California (Figure 1)

**Project Location – City:** Unincorporated

**County:** Sonoma

**Description of Nature, Purpose and Beneficiaries of Project:** The Sonoma County Water Agency (Sonoma Water) is proposing a drought emergency project involving aquifer storage and recovery (ASR) at the Sebastopol Road Well Station (Well Station) to increase regional and community drought resiliency. ASR is the process of recharging the underground aquifer, when surface water is plentiful (typically during wet winter periods), for storage and use at a later time. The purpose of the project is to install ASR system components and conduct pilot testing to determine the functionality of the system to supplement water that could reduce ongoing current and future drought impacts to public water retailers (cities and water districts) and other beneficial users of groundwater within the Santa Rosa Plain Groundwater Subbasin. The project consists of installing ASR equipment at the existing Well Station, which is located along the Russian River-Cotati Intertie Aqueduct (Aqueduct), an underground pipeline. The project would retrofit an existing production well, including appurtenances and downhole well components for aquifer recharge. Surplus water from the Aqueduct would be used to test the capability of the ASR to recharge the aquifer. The proposed project would not change the designed capacity of the Well Station, Aqueduct, or impact mature trees or native vegetation.

**Name of Public Agency Approving Project:** Sonoma County Water Agency

**Name of Person or Agency Carrying Out Project:** Sonoma County Water Agency

**Exempt Status:** (check one)

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); and State CEQA Guidelines 15269(b)(c)): Specific actions necessary to prevent or mitigate an emergency.
- Categorical Exemption: CEQA Guidelines §15304(f) Minor Alterations to Land.
- Exemption under Governor's Executive Order N-7-22 (Section 12): Government Code section 8571
- Statutory Exemptions. State code number: [Click here to enter text.](#)

**Reasons why project is exempt:** The proposed action is statutorily exempt under California Environmental Quality Act (CEQA) Statute 21080(b)(4) and State CEQA Guidelines 15269(b)(c), which provide that specific actions necessary to prevent or mitigate an emergency are exempt from CEQA; categorically exempt from CEQA under the State CEQA Guidelines Section 15304(f); and under Section 12 of the Governor's March 28, 2022, Executive Order (EO) N-7-22.

On April 21, 2021, Governor Newsom issued a Proclamation of a State of Emergency in Sonoma and Mendocino counties due to drought conditions in the Russian River Watershed (Governor's Drought Proclamation). The Governor has continued that proclamation for Sonoma and Mendocino counties through further drought proclamations on May 10, July 8, October 19, 2021, and most recently with EO N-7-22 on March 28, 2022. Section 12 of EO N-7-22 suspends CEQA to advance groundwater recharge projects that address the impacts of drought.

On April 27, 2021, the Board of Supervisors for the County of Sonoma proclaimed a local emergency for the Sonoma County Operational Area due to drought conditions, which was most recently continued on December 13, 2022. On June 16, 2021, the General Manager of Sonoma Water determined that due to drought conditions, an emergency exists that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life,

---

Signed by Lead Agency       Signed by Applicant      Date received for filing at OPR: \_\_\_\_\_

## Notice of Exemption

health, property, or essential public services, necessitating immediate action pursuant to the authority of the County of Sonoma Resolution #06-0649. On June 18, 2021, the Sonoma Water Board of Directors adopted a resolution ratifying the General Manager's emergency determination and declaring the need to do emergency work related to drought and that such projects are exempt for the requirements of CEQA. The Board of Directors has since continuously renewed the emergency determination every two weeks.

Sonoma Water staff are proposing work necessary to install and test ASR at the existing Sebastopol Road Well Station. Section 12 of EO N-7-22 suspends CEQA to advance groundwater recharge projects and to demonstrate feasibility of projects that can use available high water flows to recharge local groundwater while minimizing flood risk and applies to any actions taken by local agencies where the state agency with primary responsibility for the implementation of directives concurs that local action is required. The State of California Department of Water Resources (DWR) provided grant funding for the Santa Rosa Plain Water Supply Resiliency Project, which includes funding for the Emergency Aquifer Storage and Recovery at Sebastopol Road Well Project, under the Urban and Multibenefit Drought Relief Grant on December 22, 2021. In addition to the suspension of CEQA provided by EO N-7-22, CEQA Guidelines Section 15304 provides, generally, that minor alterations in the condition of land and vegetation, which do not involve removal of healthy, mature, scenic trees, is categorically exempt from CEQA. Section 15304(f) exempts minor trenching and backfill where the surface is restored.

**Lead Agency Contact Person:** Dave Cook

**Telephone:** 707-322-8176

**Signature:** 

**Title:** General Manager

**Date:** 1/30/2023

Kent Gylfe, Chief Engineer

Signed by Lead Agency     Signed by Applicant    Date received for filing at OPR: \_\_\_\_\_

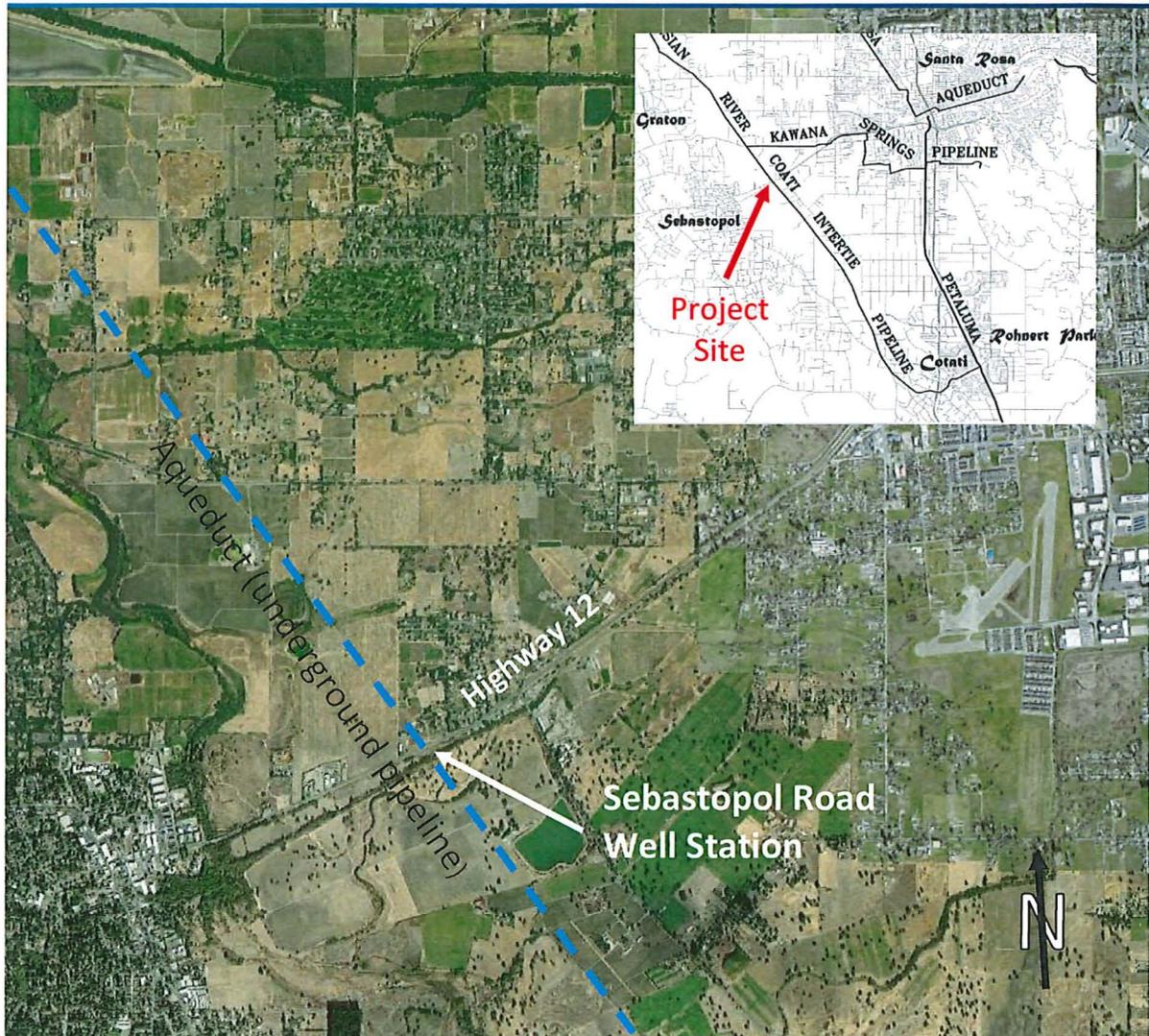


Figure 1: Location of Sebastopol Road Well Station along Russian River-Cotati Intertie Aqueduct.

## **Emergency Sebastopol Well Activation Project, Project Description and CTS Avoidance Measures**

Sonoma County Water Agency (Sonoma Water) is proposing a drought emergency project to bring an existing groundwater well into operation and to increase regional and community drought resiliency. Governor Newsom issued a Proclamation of a State of Emergency in Sonoma and Mendocino counties due to drought conditions (Governor's Drought Proclamation) on April 21, 2021, and the Sonoma County Board of Supervisors proclaimed a local emergency due to drought conditions in the Sonoma County Operational Area on April 27, 2021. The Emergency Sebastopol Well Activation Project is located at the existing Sebastopol Road Well Station along Highway 12 (Sebastopol Road) between Sebastopol and Santa Rosa, Sonoma County (Figure 1).

### Emergency Project Description

Sebastopol Road Well Station contains an inactive well and the 48-inch-diameter Russian River-Cotati Intertie Aqueduct (main pipeline) within a 50-foot-wide fee parcel. The purpose of the project is to provide supplemental water from the existing well to support agriculture and public water retailers (cities and water districts) during the drought emergency. The project will add piping and associated equipment from the well to the main pipeline to ensure chlorine contact (CT) time regulatory requirements are met for potable water use.

The project consists of constructing a CT pipe, two Baker tanks, connecting pipe to an adjacent recycled water pipeline, and appurtenances (Table 1). The CT pipe would be installed underground adjacent to the main pipeline and well (Figure 2). Approximately 150 feet of 36-inch-diameter pipe would be installed within the existing 0.10 acre graveled and fenced facility (Figure 3). Two Baker water tanks would be installed to hold flush water and connect to an existing recycled water pipeline owned by the City of Santa Rosa (Figure 2). The tanks would be placed on 0.03 acre of existing gravel and ruderal grassland. The 8-inch diameter connecting pipe would be above ground, except for short section connecting to the recycled water pipeline. Tapping the recycled pipe line would require a 7-foot by 7-foot excavation and 12-foot long trench for the connecting pipe (0.001 ac [61 sq ft]). This excavation would be contained within a 30 ft by 30 ft (0.02 acre) work area that would be covered with metal plates to protect the grassland during construction (Figure 3). The staging area would be at an existing 0.10 acre gravel parking lot. The overall impact to ruderal grassland would be temporary disturbance to 0.001 ac and partial shading at the Baker tank site. The project's construction areas are summarized in Table 1.

The work and staging areas would be encircled by a three-foot-high temporary enclosure fence buried at the ground six inches deep and staked at 10-foot intervals. No access or disturbance outside of the fence would be allowed. Construction equipment would consist of an excavator, backhoe, dump trucks, utility trucks, and inspector vehicle.

Table 1: Sebastopol Well project areas.

Site	Area (ac)	Existing Condition	Task	Post-Construction Conditions
Existing Facility Work Area	0.10	Gravel and hardscape	Install CT pipe	No change
Baker Tank Area	0.03	Gravel and ruderal grassland	Install two tanks on existing surface	Gravel and shaded ruderal grassland
Staging Area for Recycled Water Pipe Line Tap	0.02	Ruderal grassland	Cover with metal plates to protect ruderal grassland	No change, Ruderal grassland
Excavation for Recycled Water Pipe Line Tap	0.001 (61 sqft)	Ruderal grassland	Connect pipes	No change, restore grassland
Staging Area	0.10	Gravel	Parking and construction storage	No change
Total	0.25			

Approximately 200-300 cubic yards of material would be excavated to install the pipes. Excavated material would be placed in dump trucks and disposed of at the Central Landfill, Sonoma Water’s Mirabel sediment disposal site, or other authorized upland disposal site. Concrete and imported fill material will be placed in the excavations to cover the new piping wherever practical. Limited stockpiles of excavated or imported material, if necessary, will be within the fenced work/staging area for less than one week. Project construction would occur in spring and summer 2022. A qualified biologist will be on-site to ensure compliance with project’s environmental requirements. See below for best management practices incorporated into project design.

Dust control needs at the project area will be minimal. The existing work area and access road are surfaced and will not be a source of significant dust. All excavated material will be loaded into trucks, covered, and transported offsite to an authorized upland disposal site. With limited exception, no stockpile of soil and fill material will occur that could be a source of dust. The excavation would be watered to control dust, as needed, with a handheld hose. Water application would target the dust source and would be applied at a rate to superficially moisten no more than the top 1 inch of ground. All spraying would be contained with the fenced work area. Watering of the adjacent grassland or runoff would be prohibited.

California Tiger Salamander Habitat Assessment and Protective Measures

An assessment of habitat for the California tiger salamander (CTS, listed as threatened under the California Endangered Species Act and Endangered under the federal Endangered Species Act) at the project area was conducted by Dave Cook, Sonoma Water senior biologist, on February 7, 2022. The work area consists of compacted gravel, structures, and other hardscape with sparse ruderal vegetation along the edges. The Baker tank work area is a mix of unmaintained gravel

surface and ruderal grassland. The recycled pipe line tap work area is ruderal grassland. No gopher activity was observed in the work area. As such, the onsite ruderal grasslands are likely unoccupied by CTS.

Adjacent to the work area and Highway 12 is ruderal grassland. A seasonal wetland is located approximately 70 feet east of the work area and Pacific treefrog tadpoles were observed. It is unknown if CTS utilize this wetland for breeding. Gopher digging activity was observed in the grassland and wetland areas, which would not be impacted by the project.

The CNDDDB GIS layer shows two sensitive species occurring in the vicinity of the Sebastopol Well Station. The nearest CTS occurrence is approximately 0.7 mile north of the site at the Langs Property (north end of Duer Road) where there are known CTS breeding pools. There are three reports of Sebastopol meadowfoam in the project vicinity. The closest is CNDDDB Occurrence #29 approximately 300 feet south of the project area located at Brown Farm. The seasonal wetland east of the project area provides potential habitat for both species; however, this wetland would not be impacted by the Sebastopol Well project.

Based on these observations, the Emergency Sebastopol Road Well Activation Project would not impact CTS occupied grasslands or breeding habitats. Also, barrier fencing around the work and staging areas would prevent migrating CTS from entering the work area. Best Management Practices (BMPs) will be incorporated into the emergency project to ensure that all actions necessary to avoid impacts to CTS resources are implemented during construction, which includes oversight by Sonoma Water's construction inspector and qualified biological monitor (Table 2).

Dust control needs at the project area will be minimal. It is very unlikely that the superficial and targeted watering for dust control will initiate surface movement of CTS. Modest watering may be needed within the excavation where no CTS habitat occurs. Watering of the adjacent grassland or runoff will be prohibited (Table 2). Sonoma Water staff are aware of a related research paper on this topic. Semonsen (1998. *Ambystoma californiense* (California tiger salamander) Herpetological Review, 29:96) attempted to initiate surface activity of subterranean CTS by applying water twice a day for two days using a water truck with a combined application of 5,000 gallons on 215 square feet. This is the equivalent of applying 37 inches, which is greater than normal rainfall over an entire year. The result was the surface detection of one juvenile CTS. The proposed topical watering within the excavation could not initiate CTS migration.

#### CTS Avoidance and Best Management Practices

The approach to avoid potential impacts to CTS resources is a strict adherence to measures developed to avoid both direct and indirect disturbance to CTS habitat, and avoidance of migrating CTS. These CTS avoidance measures are listed in Table 2 and will be incorporated into the project design as BMPs. The work and staging areas will be enclosed with a barrier fence during construction and all equipment, vehicles, materials, and construction staff will be restricted to the fenced work area. A qualified biological monitor will provide worker awareness training and be onsite during ground disturbing activities.

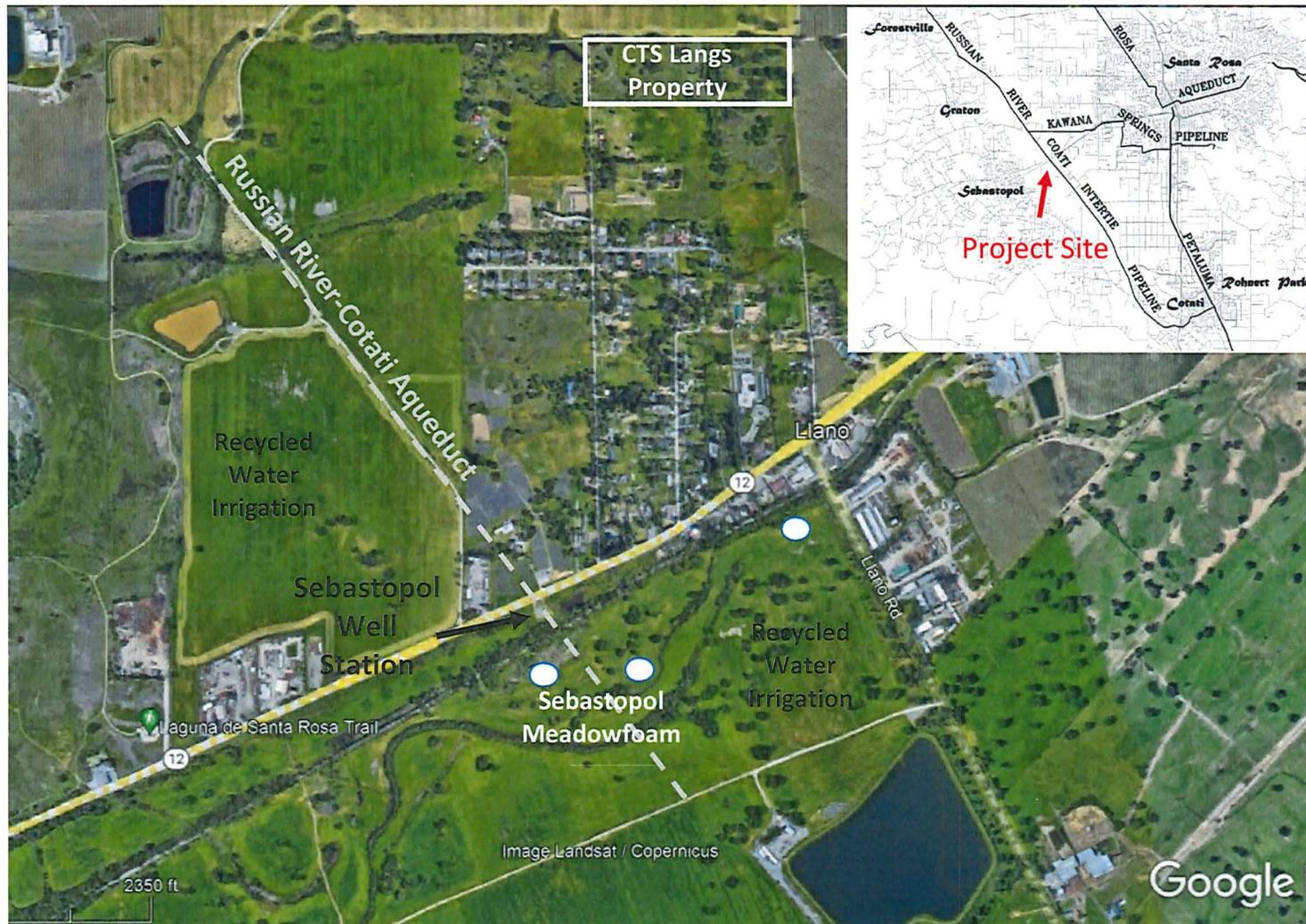


Figure 1: Location of Sebastopol Well Station along Russian River-Cotati Intertie Aqueduct. Surrounding land use is rural residential, highway, and fields irrigated with recycled water. Closest known CTS breeding site is 0.7 mile north and Sebastopol meadowfoam is 400 feet south of the Well Station.

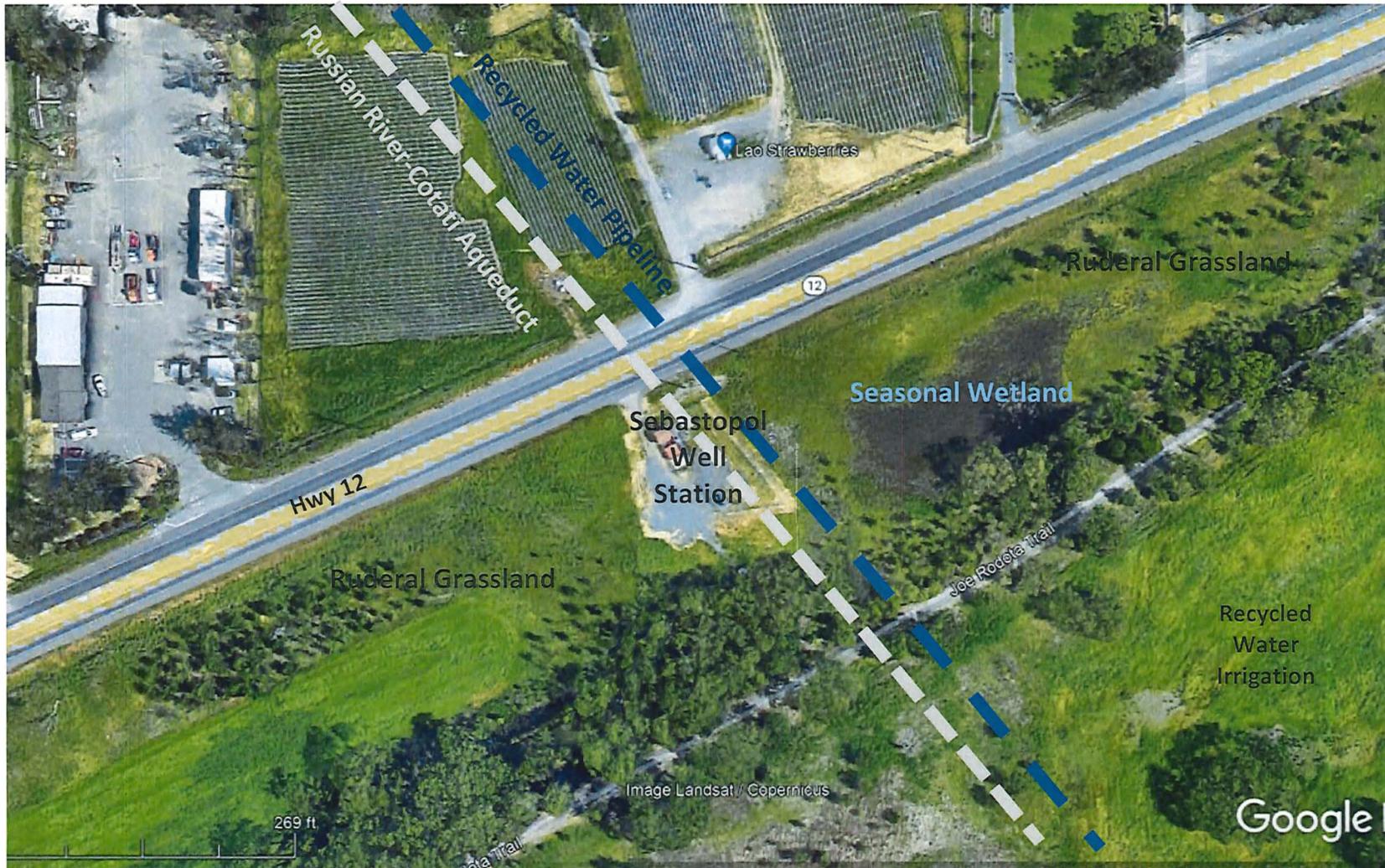


Figure 2: Sebastopol Well Station location adjacent to Highway 12.

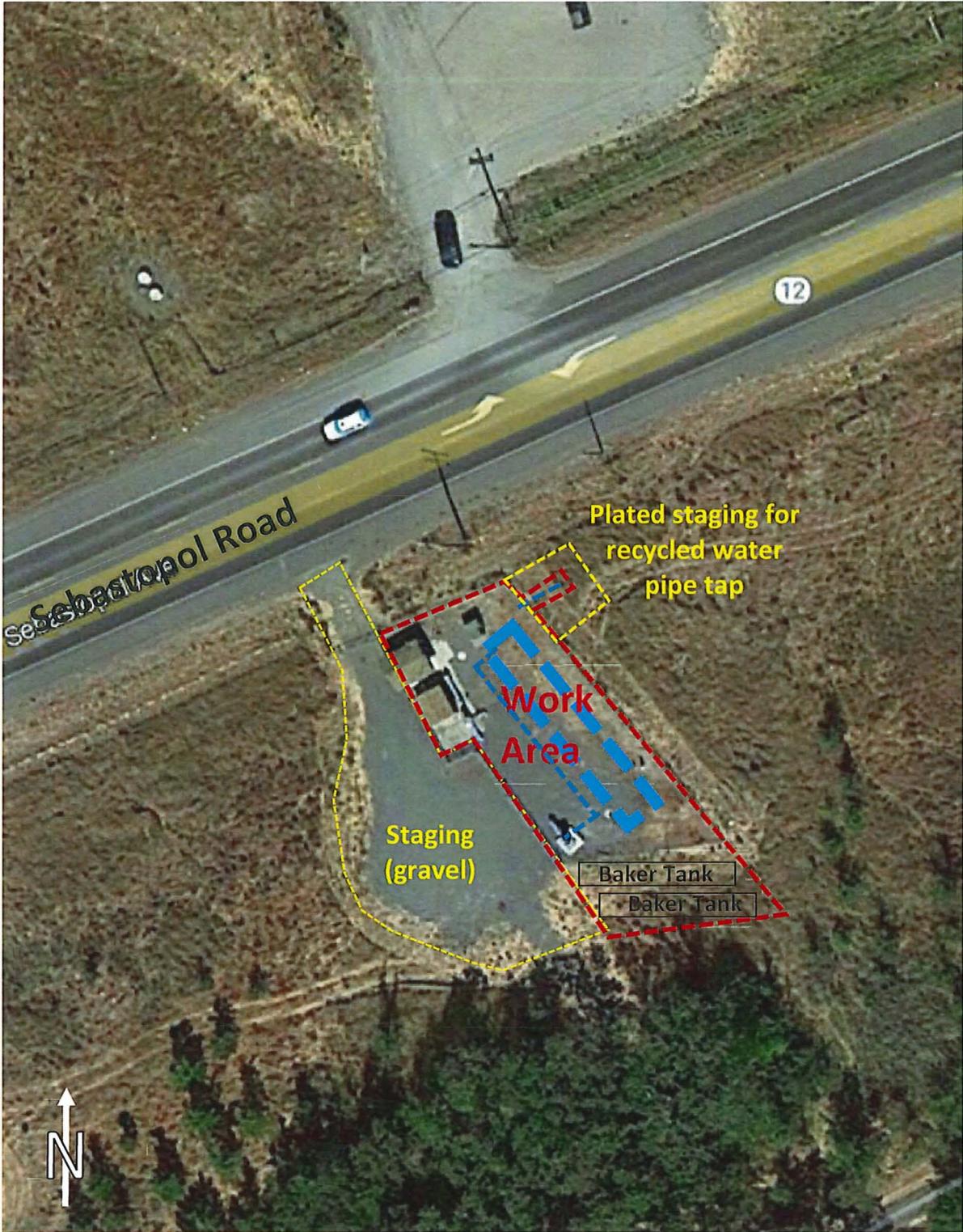


Figure 3: Emergency Sebastopol Well Station Activation project area. Work area (red) contains hardscape and disturbed ruderal vegetation. Staging (yellow) will be used for materials and heavy equipment. Construction of underground pipes (blue dashed) are contained within fenced work area. Above ground pipes not shown.

Table 2. Best Management Practices for the Emergency Sebastopol Well Activation Project

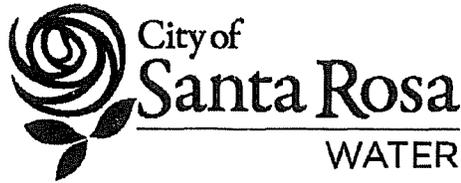
BMP ID	Name	BMP
<b><i>Air Quality Protection</i></b>		
AQ-1	Dust Management Controls (based on Bay Area Air Quality Management District's basic dust control measures)	<p>Sonoma Water will require contractors and Sonoma Water staff to implement the following:</p> <ol style="list-style-type: none"> <li>1. To reduce dust emissions at the work area, watering shall be applied by hand with a hose as needed, based on conditions. Watering shall target dust sources within the work area. No water trucks shall be used.</li> <li>2. Watering of the adjacent hardscape and grasslands, including runoff, is prohibited.</li> <li>3. All haul trucks transporting soil or other loose material off-site shall be covered.</li> <li>4. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California Airborne Toxics Control Measure, Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.</li> <li>5. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.</li> </ol>
<b><i>Biological Resources Protection</i></b>		
BR-1	Area of Disturbance	<ol style="list-style-type: none"> <li>1. The hardscape work area and staging areas will be encircled by three-foot-high temporary exclusionary fencing with stakes at 10-foot intervals. Fence to be buried at base. A qualified biologist<sup>1</sup> will assist with fence location and verify that all grassland habitats, as specified, are excluded from the work area and staging areas.</li> <li>2. The staging area at the 30 ft by 30 ft recycled water pipe line tap will be covered with metal plates to avoid ground disturbance from equipment during excavation.</li> <li>3. No access or disturbance to vegetation outside of the fence will be allowed.</li> <li>4. Soil disturbance shall not exceed the minimum area necessary to complete the operations as described.</li> </ol>
BR-2	Pre-Construction Worker Educational Training	<ol style="list-style-type: none"> <li>1. At the beginning of construction, all personnel will participate in an educational training session conducted by a qualified biologist.<sup>2</sup> This training will include instruction on how to identify CTS and their habitats, bird nests, and other special-status species that may occur in the work vicinity, and the appropriate</li> </ol>

<sup>1</sup> A qualified biologist is determined by a combination of academic training and professional experience in CTS resource protection, biological sciences, and related resource management activities. Sonoma Water may utilize appropriately experienced and/or trained environmental staff. Resumes will be submitted to the California Department Fish and Wildlife for approval prior to commencement of biological surveys.

<sup>2</sup> A qualified biologist (including those specializing in botany, wildlife, and fisheries) is determined by a combination of academic training and professional experience in biological sciences and related resource management activities. Sonoma Water may also utilize appropriately experienced and/or trained environmental staff. Resumes will be submitted to CDFW for approval prior to commencement of biological surveys.

BMP ID	Name	BMP
		<p>protocol if any active nests or special-status species are found during project implementation.</p> <p>2. Personnel who miss the first training session must participate in a make-up session before conducting site activities.</p>
BR-3	California Tiger Salamander Avoidance	<p>1. A qualified biologist will conduct pre-construction surveys of upland habitats and identify areas with small mammal burrows.</p> <p>2. The qualified biologist shall assist with positioning the temporary exclusionary fence. Mammal burrows will be avoided.</p> <p>3. <b>Construction activities will be scheduled to avoid the CTS migration activity by prohibiting construction when there is a forecasted 30% or greater chance of rainfall.</b></p> <p>4. <b>A thorough CTS larval dipnet survey will be conducted at the seasonal wetland east of the well station. Construction work before May 30 will only allowed if no CTS larvae are found indicating that no spring dispersal of metamorphs could occur into the construction area.</b></p>
BR-4	Wildlife Biologist	<p>1. A qualified biologist will be onsite during ground disturbing activities. The qualified biologist will search the work area for wildlife prior to work activities each morning.</p> <p>2. The qualified biologist will have the authority to stop work to avoid impacts to special-status species, including CTS habitat.</p> <p>3. A qualified biologist will be on-call and available to visit the project site at any point during construction activities in the event a special-status species is encountered.</p> <p>4. If CTS are observed in the project area, work shall stop, and the California Department of Fish and Wildlife shall be consulted immediately.</p> <p>5. <b>A qualified biologist will inspect excavation activities and if burrows are found then all excavations shall stop until the burrows can be scoped for CTS presence. If CTS are present then all activities shall cease until appropriate permits are obtained or authorization is provided by CDFW.</b></p>
BR-5	Nesting Migratory Bird and Raptor Pre-maintenance Surveys	<p>1. A qualified biologist will conduct pre-construction surveys for raptors and nesting birds during the nesting period (February 15 through August 15 for most birds). The surveys shall be conducted within one week before initiation of activities.</p> <p>3. If active nests are identified within the work vicinity, non-disturbance buffers shall be established at a distance sufficient to minimize disturbance based on the nest location, topography, cover and species' tolerance to disturbance. Buffer size will be determined by a qualified biologist in cooperation with the California Department of Fish and Wildlife.</p>
<b>Hazardous Materials Safety</b>		
HAZ-1	Spill Prevention and Response	Spill prevention and response activities shall conform to the Caltrans Construction Site Best Management Practices Manual and require contractors and Sonoma Water staff to implement the following measures:

BMP	Name	BMP
ID		<ol style="list-style-type: none"> <li>1. All field personnel shall be appropriately trained in spill prevention, hazardous material control, and cleanup of accidental spills.</li> <li>2. Equipment and materials for cleanup of spills will be available on site and spills and leaks will be cleaned up immediately and disposed of in accordance with local, state, and federal regulations.</li> <li>3. Spill prevention kits shall always be in close proximity when using hazardous materials (e.g., heavy equipment and trucks). Spill clean-up materials will be stored where they are readily accessible. All field personnel shall be advised of these locations and trained in their appropriate use.</li> <li>4. During construction activities, Sonoma Water staff and contractor(s) will routinely inspect the work site to verify that items 1-4 above are properly implemented and maintained.</li> <li>5. Absorbent materials will be used on small spills located on impervious surface rather than hosing down the spill; wash waters shall not discharge to the storm drainage system or surface waters. For small spills on pervious surfaces such as soils, wet materials will be excavated and properly disposed rather than burying it. The absorbent materials will be collected and disposed of properly and promptly.</li> <li>6. Vehicle and equipment maintenance activities will be conducted off-site.</li> </ol> <p>All vehicles and equipment will be kept clean. Excessive build-up of oil or grease will be avoided. Incoming vehicles and equipment will be checked for leaking oil and fluids (including delivery trucks, and employee and subcontractor vehicles). Leaking vehicles or equipment will not be allowed on-site.</p>



**ONE-TIME DISCHARGE PERMIT  
SR-1X09552**

**Issued To:**

**DeWayne Burgess  
Sonoma Water  
404 Aviation Blvd  
Santa Rosa, CA 95403**

**Located At:**

**404 Aviation Blvd  
Santa Rosa, CA 95403**

**EFFECTIVE DATE: 03/25/2022**

**EXPIRATION DATE: 09/30/2023**

The above Permittee is authorized to discharge non-contaminated groundwater and/or trench water to the City of Santa Rosa's sewer collection system. This discharge will be in accordance with the Most Current Sewer Code and/or Ordinance in the cities of Santa Rosa, Cotati, Rohnert Park, Sebastopol, and South Park, any applicable provisions of federal or state law or regulation, and in accordance with discharge point(s), effluent limitations, monitoring requirements, and other conditions set forth herein.

**PERMITTEE SHALL COMPLY WITH ALL ITEMS BELOW:**

1. Sediment must be removed prior to any discharge to the sanitary sewer.
2. The permittee shall be responsible for all liability imposed by law for personal injury or property damage caused by work done by permittee under this permit, including work beyond the scope of this permit. If any claim of such liability is made against the City, its officers or employees, permittee shall defend, indemnify and hold them, and each of them, harmless from such claim and liability insofar as permitted by law.
3. All discharge volumes shall be reported to this office by a City approved method which may include, metering, storage tank volumes, and/or pumping flow rates to determine the permit discharge fees.
4. The discharge rate to the sanitary sewer shall be at a discharge rate that will not result in any spillage or surcharging of the sewer system.
5. For all uncontaminated sites the costs will include a \$222.00 application fee plus a volume fee of \$12.42 per thousand gallons.

6. Connection to the City Santa Rosa's reclamation pipeline is to be temporary for the duration of the project. At the conclusion of the project the preexisting plumbing site conditions need to be reestablished to its former state. The previous statements do not apply if the City of Santa Rosa has granted the approval of a permanent connection to its reclamation conveyance system.
7. Permittee will construct, operate, and maintain the Project at the permittee's sole cost and expense. This shall include the following:
  - Completion of all plans required to be approved by the City before work begins. Upon execution of this Agreement, and prior to the completion of work, the City and permittee shall agree upon the required plans;
  - Completion of all connections to the City's recycled water system in accordance with specification approved by the City;
  - Completion of all treatment appurtenances including de-chlorination and other treatment required by the City and the regulatory requirements of the regulatory agencies;
  - Completion of a pressure gage at the permittee's side of the intertie and maintenance of pressures that are not to exceed 20 psi into the City's pipe;
  - Completion of a meter to measure flows from the permittee's well treatment system into the City's recycled water system;
  - Completion of additional thrust blocks or plates to protect the transmission main at the point of connection;
  - Completion of a hot-tap into the City's recycled water system.
8. Permittee will Install flow regulating and metering equipment above ground in the vicinity of the connection.
9. Permittee will provide the City with a map to show as-built location of project.
10. Permittee will repair any leaks that may be the result of the tap into the City's recycled water system.
11. Permittee will perform all routine and required maintenance to ensure that the connecting facilities and the recycled water system into which they connect continue in good and sound operating condition.
12. Permittee must notify this office within 2 working days before planning to discharge into the City's system.

13. Any wastewater not meeting local limits shall either be disposed through a licensed hazardous waste treatment, storage, and disposal or recycling facility or alternatively be treated on-site to meet the local limits prior to being discharged to the sanitary sewer.

Deputy Director Environmental Services: \_\_\_\_\_

Date: 3/25/2022

**SUBREGIONAL WATER RECLAMATION SYSTEM**

Environmental Compliance Section, 4300 Llano Road, Santa Rosa, CA 95407  
PH (707) 543-3369 FX (707) 543-3398 email: envcompliance@srcity.org



# Well Permit Application

WLS-031

5590 SEBASTOPOL AVE / WAY 17

Site Address <u>SEBASTOPOL CA 95472</u>	Permit Number
City/Town <u>SEBASTOPOL</u> State <u>CA</u> Zip <u>95472</u>	Assessor's Parcel Number
Owner Name <u>SONOMA WATER</u>	Well Driller Name
Mailing Address <u>404 MONTICEN BLVD</u>	Mailing Address
City/Town <u>SANTA ROSA CA 95403</u> State <u>CA</u> Zip <u>95403</u>	City/Town State Zip
Phone <u>707-292-7647</u>	License Number
Contact Person <u>DANNY BUNBESS</u>	Phone Email

The validity of this permit depends upon the accuracy of the information provided by the applicant. A site plan must accompany this application. In addition to the information required on the Minimum Standard Site Plan (Form CSS-019), the site plan shall also include the proposed well location, existing well(s) location(s), GPS coordinates of proposed well, sewer mains and laterals, and other potential sources of contamination. If an inadequate site plan is provided and a second field visit is required, a charge at the current hourly rate will be assessed. The precise site location of the proposed well must be staked with the driller's name.

**INDICATE TYPE AND NUMBER OF PROPOSED WELLS/BORINGS:**

Indicate use:  Residential  Community  Irrigation  Industrial

Reason for new well: \_\_\_\_\_

Destruct  Class I Well  Class II Well  Reconstruction Reason for Class II: \_\_\_\_\_

Number of Geotechnical Borings: \_\_\_\_\_ Number of Geoexchange: \_\_\_\_\_ Number of monitoring: \_\_\_\_\_ Number of Cathodic: \_\_\_\_\_

Number of Performance Wells: \_\_\_\_\_ Number of Piezometers: \_\_\_\_\_ Number of Inclnometers: \_\_\_\_\_ Number of Other: \_\_\_\_\_

Total number of wells on property: 2 Number In use: 1 Number inactive: 1 Number abandoned: \_\_\_\_\_

Well located within an existing public water system boundary: Yes  No  Name of System: \_\_\_\_\_

**CONSTRUCTION PROPOSED:**

Casing: Diameter: 16" Gauge: 277" Material: STEEL Gravel Pack  Conductor: Yes  No

Annular Space: Size: 6" Depth of Seal: 270' Sand Pack  Seal Material: CEMENT

Method of Disinfection: \_\_\_\_\_ Method of Sealing Access Opening: \_\_\_\_\_ Type of Joint: \_\_\_\_\_

**DESTRUCTION PROPOSED:** Well Diameter: 16" Well Depth: 1050' Well Casing: STEEL

Method of Destruction: CEMENT & GRAVEL

<p><b>WORKER'S COMPENSATION DECLARATION</b> I hereby affirm under penalty of perjury one of the following declarations:</p> <p><input type="checkbox"/> I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.</p> <p><input type="checkbox"/> I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are: Carrier: _____ Policy No. _____ (This section need not be completed if the permit is for one hundred dollars (\$100) or less).</p>	<p>I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will notify Permit Sonoma Well &amp; Septic Division 24 hours prior to commencing this work. I will furnish Permit Sonoma and the owner a copy of the State Well Completion Report Within thirty (30) days in order to obtain final approval on this well as required by SONOMA COUNTY CODE, CHAPTER 25B. I acknowledge that the application will become a permit only after the site approval and payment of fee.</p> <p>I understand that this permit is not transferrable and expires one year from the date of issuance.</p> <p style="text-align: right;">Signature of Well Driller: <u>[Signature]</u> Date: <u>7-8-2022</u></p>
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WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

\*\*\*\*\* DO NOT WRITE BELOW THIS LINE - To Be Completed by Permit Sonoma Staff \*\*\*\*\*

Site Approved by: \_\_\_\_\_ Date: \_\_\_\_\_ Seal Inspection Date: \_\_\_\_\_ EHS \_\_\_\_\_

Flnaled by: \_\_\_\_\_ Date: \_\_\_\_\_ GW Zone: 1  2  3  4

Comments: \_\_\_\_\_

SONOMA WATER  
404 AVE

5590 SEBASTOPOL AVE./HWY 12

## Well Modifications at Sebastopol Road Well Site

Two nominal 1,000-foot production wells are located at the Sonoma Water Sebastopol Road Well Site, including the original, abandoned well (#1), which was installed in 1977, and a replacement well (#2) which was installed in 1999. Attached are the Water Well Drillers Report / Well Completion Report. Attached are illustrations of well construction, including **Figure 1** for the current construction of the wells and **Figure 2** for the destruction of Well #1 and the modification of Well #2.

The following modifications are based on recent survey work, including video logs of both wells and geophysical logs plus depth profiles of temperature, conductivity, and flow at Well #2, and depth-specific sampling of Well #2.

### Well #1 – Destruction

Well #1 was abandoned but not destroyed, probably during the late 1990s, because of excessive production of sand likely due to large slot sizes ( 0.080-inch and 0.094-inch) and improper selection of filter pack size. The well was constructed with two types of screen: Johnson Irrigator and Ful-Flo; and the screen decreased in size with depth, from 16-inch to 12-inch to 10-inch. Caliper and video logs during Mar-22 showed that the 16-inch screen interval was modified with a 14-inch liner, including a blank section followed by a louvered section. Moreover, the video log showed both encrustation and corrosion to the screens and considerable amounts of debris suspended in the water column

The contractor will destroy Well #1 according to the following steps.

1. Obtain a well destruction permit from Sonoma County (permit Sonoma).
2. Notify Sonoma Water and GEI Consultants if the permit requires other work than listed below and coordinate on revisions to the work.
3. Saw-cut concrete slab around the perimeter of the concrete well pedestal (8-inch tall) and demolish pedestal to expose well casing.
4. Excavate around well casing to a depth of 5 feet below grade and cut off well casing at bottom of excavation.
5. Install a 2-inch diameter steel tremie pipe to an approximate depth of 1050 feet. Total depth of the well was reported to be 1065 feet. The total depth of the video log was 918 feet due to opaque conditions.
6. Pump a wet sand-cement<sup>1</sup> grout to the bottom of the well. Remove a section of tremie pipe periodically to facilitate installation of the grout while keeping the bottom of the tremie pipe submerged in the grout. Install the grout to a depth of 360 feet. (The top of the filter pack was installed at 370 feet.)  
**Estimated volume of grout: 24.3 cubic yards.** <sup>1</sup> Two parts sand, one part cement, 6.5 gallons of water.
7. Install gravel from 360 feet to 50 feet via the tremie pipe within the blank casing of the well.  
**Estimated volume of gravel: 14.8 cubic yards.**
8. Install the sand-cement<sup>1</sup> grout from 50 feet to 5 feet. Install a 'mushroom cap' of grout over the well casing.  
**Estimated volume of grout: 2.1 cubic yards.**

9. Pump groundwater and suspended debris, displaced by the backfill materials into the excavation, to a tank truck for off-site disposal of the fluid.  
**Estimated fluid volume: 8,300 gallons.**
10. Backfill and compact the excavation with gravel.
11. Prepare a Well Completion Report according to the requirements of the California Department of Water Resources.

### Well #2 – Modification

Well #2 was constructed with 16-inch screen throughout the entire depth and the slot size was smaller (0.055-inch) and sand production was not significant at pumping rates up to 2,200 gallons per minute (gpm). Step-drawdown pumping in Oct-99 ranged from nearly 1,800 gpm to over 2,700 gpm with 83 to 150 feet of drawdown (ft-dd). The resultant specific capacity values ranged from 22 to 18 gpm per ft-dd. Constant-rate pumping indicated that 2,200 gpm was the long-term upper limit of groundwater production.

Well #2 was rehabilitated during Apr-22 via surge pumping at approximately 250 gpm with a submersible pump swabbing tool set at 10-foot interval within the two screen intervals. A submersible test pump was installed to an approximate depth of 215 feet to support the dynamic profiling of temperature and flow as well as depth-specific sampling within the screen intervals. A 4-inch PVC access pipe was installed to approximately 230 feet to allow the tools to pass by the pump. The dynamic profiling and sampling were completed during a 3-day period while pumping the well each day at approximately 1,200 gpm. The specific capacity was 16 gpm per ft-dd after 1,000 minutes of pumping. The results of well profiling and depth-discrete sampling showed that the lower screen contributed a relatively small portion of flow (10 to 15%), higher temperature water, and lesser quality of water. Therefore, the lower screen will be abandoned, according to the steps listed below.

The contractor will modify the lower screen (890 to 1,020 feet) of Well #2 according to the following steps. Total depth of the well is reportedly 1,040 feet.

1. Obtain a well modification permit from Sonoma County (permit Sonoma).
2. Notify Sonoma Water and GEI Consultants if the permit requires other work than listed below and coordinate on revisions to the work.
3. Install a 2-inch diameter steel tremie pipe via the 4-inch access pipe to an approximate depth greater than 950 feet.
4. Install a  $1/4$ - by  $1/8$ -inch gravel via the tremie pipe between 1,040 feet and 870 feet (20-foot sump, 130-foot lower screen, and 20 feet of blank casing between upper and lower screen) while periodically removing a section of the tremie.  
**Estimated gravel volume: 4.9 cubic yards.**
5. Measure the depth to the gravel backfill periodically to ensure proper placement of the gravel.
6. With the tremie set at an approximate depth of 860 feet, install 3 feet of bentonite pellets on top of the gravel within the blank casing.  
**Estimated bentonite volume: 3.8 cubic feet or 6 buckets (50-pound).**
7. Install 100 pounds of white landscape pebbles (two bags) via the 4-inch access pipe after removing the tremie so that any future video survey (or well maintenance) will recognize the unusual rocks as the top of the bentonite layer.

8. Prepare a Well Completion Report according to the requirements of the California Department of Water Resources.
9. Conduct an 8-hour step-drawdown pumping test and a 24-hour constant-rate pumping test to assess the capacity of Well #2 after the modification.
  - a. Pump the groundwater into the Baker tanks.
  - b. Measure the pumping rate and cumulative volume of flow with an in-line flow meter.
  - c. Measure sand production via a Rossum Sand Tester.
  - d. Measure depth to groundwater at periodic intervals.
  - e. Pump water in tanks to the Santa Rosa Reclaimed Water Main, in coordination with Sonoma Water.
  - f. Allow one day for water level recovery after the step-drawdown test and after the constant-rate test, before removing the test pump.

LOCATION CHECKED

**ORIGINAL**  
File with DWR

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

Do not fill in  
**No. 071601**

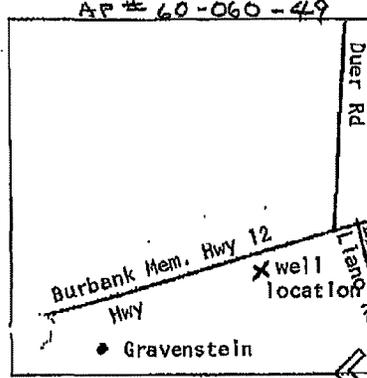
Notice of Intent No. \_\_\_\_\_  
Permit No. or Date 1221-77

State Well No. 7N/9W-36K1  
Other Well No. \_\_\_\_\_

Well #1

(1) OWNER: Name Sonoma County Water Agency  
Address 2555 Mendocino Avenue  
City Santa Rosa, CA Zip 95401

(2) LOCATION OF WELL (See instructions):  
County Sonoma Owner's Well Number #1  
Well address if different from above \_\_\_\_\_  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_  
Distance from cities, roads, railroads, fences, etc. 4.5 mile east on  
Burbank Memorial Hwy and Llano Rd. Approx  
30 yards south of Hwy  
AP # 60-060-49



(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   
Stock Well   
Municipal   
Other

(12) WELL LOG: Total depth 1506 ft. Depth of completed well 1065 ft.

from ft.	to	ft. Formation (Describe by color, character, size or material)
0	28	top soil
28	42	sandy clay
42	151	yellow clay
151	160	sandy yellow clay
160	198	sand
198	210	clay
210	245	sand
245	270	clay
270	366	sand
366	382	clay
382	828	sand (medium)
828	871	clay
871	1020	sand
1020	1506	blue clay & shale

(5) EQUIPMENT:  
Rotary  Reverse   
Cable  Air   
Other  Bucket

(6) GRAVEL PACK:  
Yes  No  Size 20  
Diameter of bore 26  
Packed from 370 to 1065

(7) CASING INSTALLED:

From ft.	To ft.	Dia. in.	Casing or Wall
0	425	18	5/16

(8) PERFORATIONS:

From ft.	To ft.	Size	Shoe size
425	435	3/32	Fu-Flo
435	460	#80	Johnson
460	490	3/32	Fu-Flo

From ft.	To	16"	12"
490	515	Johnson	775 - 800 Ful-Flo
515	545	Ful-Flo	800 - 825 Johnson
545	570	Johnson	825 - 850 Ful-Flo
570	600	Ful-Flo	850 - 854 12 x 10 ta
600	625	Johnson	854 - 895 blank
625	630	16 x 12 taper	895 - 1045 Johnson
630	675	Johnson	1045 - 1065 blank T.O.
675	700	Ful-Flo	
700	725	Johnson	
725	750	Ful-Flo	
750	775	Johnson	

(9) WELL SEAL:  
Was surface sanitary seal provided? Yes  No  If yes, to depth 270 ft.  
Were strata sealed against pollution? Yes  No  Interval 0-370 ft.  
Method of sealing cement grout

(10) WATER LEVELS:  
Depth of first water, if known \_\_\_\_\_ ft.  
Standing level after well completion 35 ft.

(11) WELL TESTS:  
Was well test made? Yes  No  If yes, by whom? Luhdorff  
Type of test Pump  Bailor  Air Lift   
Depth to water at start of test 35 ft. At end of test 121 ft.  
Discharge 2000 gal/min after 5.75 hours Water temperature \_\_\_\_\_  
Was analysis made? Yes  No  If yes, by whom? \_\_\_\_\_  
Was electric log made? Yes  No  If yes, attach copy to this report

Work started 5-15-1977 Completed 7-5-1977  
WELL DRILLER'S STATEMENT:  
This well was drilled under my direction and this report is true to the best of my knowledge and belief.  
SIGNED E. E. LUHDORFF (Well Driller)  
NAME Div. of Layne Western Co., Inc.  
(Person, firm, or corporation) (Typed or printed)  
Address P.O. Box 1326  
City Woodland, CA Zip 95695  
License No. 334205 Date of this report 2/21/79

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
 Refer to Instruction Pamphlet

JWR  
 1 of 2  
 Owner's Well No. **SEBASTOPOL ROAD WELL No. 770382**  
 Work Began **5-98**, Ended **10-1899**  
 Permit Agency **SONOMA COUNTY**  
 Permit No. **98-0081** Permit Date **3-25-98**

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/RS/OTHER

**GEOLOGIC LOG**

ORIENTATION (✓)  VERTICAL  HORIZONTAL ANGLE (SPECIFY)

DRILLING METHOD **Reverse Circulation WATER**

DEPTH FROM SURFACE

FL.	FL.	DESCRIPTION
20	30	hard sticky gray clay
30	38	sticky blue clay
38	53	sticky blue clay
53	56	sticky blue coarse sand layers
56	68	sticky blue clay
68	150	sticky blue clay with coarse sand - lenses and layers
150	181	thick blue clay/sand, some gravel
181	182	green clay, some blue with pea gravel and sand
182	190	blue clay/sand, little pea gravel
190	250	green clay, little blue with pea gravel and sand
250	320	pea gravel/sand & little tone clay
320	350	yellow shale
350	392	yellow and gray shale
392	397	hard rilling like rock
397	440	yellow and gray shale
440	441	hard rilling like rock
441	510	yellow and gray shale
510	540	sea shells in bedded in cemented sand (blue cemented sand)
540	557	sea shells/silty blue clay with cemented sand (layers blue)
557	565	sea shells with cemented blue sand
565	590	sea shells with cemented sand with silty blue clay lenses
590	693	hard drilling
693	698	sea shells with silty blue clay with layers of rock and cement/sand

Describe material, grain size, color, etc.

**WELL OWNER**

Name **SONOMA COUNTY WATER AGENCY**

Mailing Address **2150 West College Ave.**

City **Santa Rosa, Calif. 95401**

WELL LOCATION

Address **5372 Sebastopol Road and Cotati Intersect**

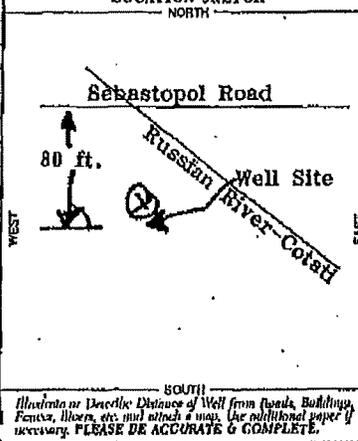
City **Santa Rosa, CA**

County **SONOMA**

APN Book Page Parcel **60-060-59**

Township Range Section

Latitude Longitude



**ACTIVITY (✓)**

NEW WELL

MODIFICATION/REPAIR

Damage

Other (Specify)

DESTROY (Describe Procedures and Methods Under "GEOLOGIC LOG")

**PLANNED USES (✓)**

WATER SUPPLY  Public  Domestic  Irrigation  Industrial

MONITORING

TEST WELL

CATHODIC PROTECTION

HEAT EXCHANGE

DIRECT PUSH

INJECTION

VAPOR EXTRACTION

SPRINKLING

REMEDIATION

OTHER (SPECIFY)

**WATER LEVEL & YIELD OF COMPLETED WELL**

DEPTH TO FIRST WATER **59** (FL) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL **59** (FL) & DATE MEASURED **10/99**

ESTIMATED YIELD **2200** (GPM) & TEST TYPE **PUMP**

TEST LENGTH **24** (Hrs.) TOTAL DRAWDOWN **120** (FL)

\* May not be representative of a well's long-term yield.

Continued on page No. 770383

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)				
		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0 - 50	42"	X	139-B	32"	.375	
50 - 410	28"	X	"	15.25	.375	
410 - 840	"	X	SS304	15.37	.312	.055
840 - 890	"	X	"	"	"	"
890 - 1020	"	X	"	"	"	.055
1020 - 1040	"	X	"	"	"	"

DEPTH FROM SURFACE	ANNULAR MATERIAL TYPE			
	GE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILYER PACK (TYPE/SIZE)
0 - 50	X			
50 - 360	X			
360 - 1080				8 x 16

**ATTACHMENTS (✓)**

Geologic Log

Well Construction Diagram

Geophysical Log(s)

Soil/Water Chemical Analyses

Other

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 **BYLIK DRILLING, INC.**

PERSON, FIRM, OR CORPORATION (TYPE OR PRINTED)

**555 South Harbor Blvd. La Habra, CA 90631**

ADDRESS

Signed **3/25/99** STATE **CA** ZIP **90629** C57 & C61/A

WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
*Refer to Instruction Pamphlet*

Page 2 of 2  
 Owner's Well No. **SEBASTOPOL ROAD WELL No. 770383**  
 Date Work Began **5-98** Ended **10-99**  
 Local Permit Agency **SONOMA COUNTY**  
 Permit No. **98-0081** Permit Date **3-25-98**

DWA USE ONLY - DO NOT FILL IN  
 STATE WELL NO./STATION NO.  
 LATITUDE LONGITUDE  
 APN/PROTHER

**GEOLOGIC LOG**

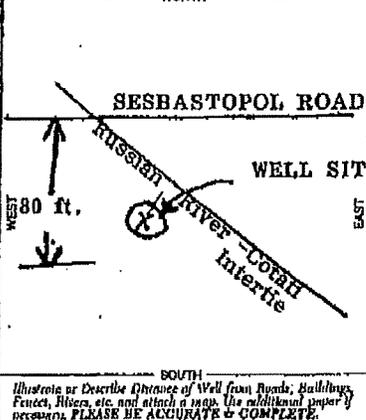
ORIENTATION (Z)  VERTICAL  HORIZONTAL ANGLE (SPECIFY)  
 DRILLING METHOD  Reverse Circulation WATER FLUID

DEPTH FROM SURFACE	FL. TO FL.	DESCRIPTION
638	674	Hard drilling shells and rock cemented sand at 445 ft.
674	694	coarse gravel, black & gray gravel
694	695	hard drilling in rock
695	710	back to coarse gravel, black and gray
710	730	little gray clay, coarse gravel black and gray
730	735	hard rock, coarse gravel black/gray
735	740	coarse gravel, black and gray
740	745	rock
745	800	coarse gravel, black & gray with little clay, fine sand
800	815	gray clay and gravel
815	818	hard drilling in rock
818	840	shale, gray clay and gravel
840	860	clay and shale
860	1020	sand, gravel, little clay
1020	1060	clay

**WELL OWNER**  
 Name **SONOMA COUNTY WATER AGENCY**  
 Mailing Address **2150 West College Ave.**  
**Santa Rosa, Calif. 95401**  
 CITY STATE ZIP

**WELL LOCATION**  
 Address **5372 Sebastopol Rd. & Cotati Inter**  
 City **Santa Rosa, CA**  
 County **SONOMA**  
 APN Book Page Parcel **60-060-59**  
 Township Range Section  
 Latitude NORTH Longitude

LOC. MIN. SEC. NORTH Longitude  
 LOC. MIN. SEC. SOUTH Longitude



**ACTIVITY (Z)**  
 NEW WELL  
 MODIFICATION/REPAIR  
 — Deepen  
 — Other (Specify)

**DESTROY (Describe Procedures and Materials Under GEOLOGIC LOG)**

**PLANNED USES (Z)**  
 WATER SUPPLY  
 Domestic  Public  
 Irrigation  Industrial  
 MONITORING  
 TEST WELL  
 CATHODIC PROTECTION  
 HEAT EXCHANGE  
 DIRECT FISH  
 INJECTION  
 VAPOR EXTRACTION  
 SPARGING  
 REMEDIATION  
 OTHER (SPECIFY)

**WATER LEVEL & YIELD OF COMPLETED WELL**

DEPTH TO FIRST WATER **59** (ft.) BELOW SURFACE  
 DEPTH OF STATIC WATER LEVEL **59** (ft.) & DATE MEASURED **10/99**  
 ESTIMATED YIELD **2200** (GPM) & TEST TYPE **PUMP**  
 TEST LENGTH **24** (ft.) TOTAL DRAWDOWN **120** (ft.)  
 \* May not be representative of a well's long-term yield.

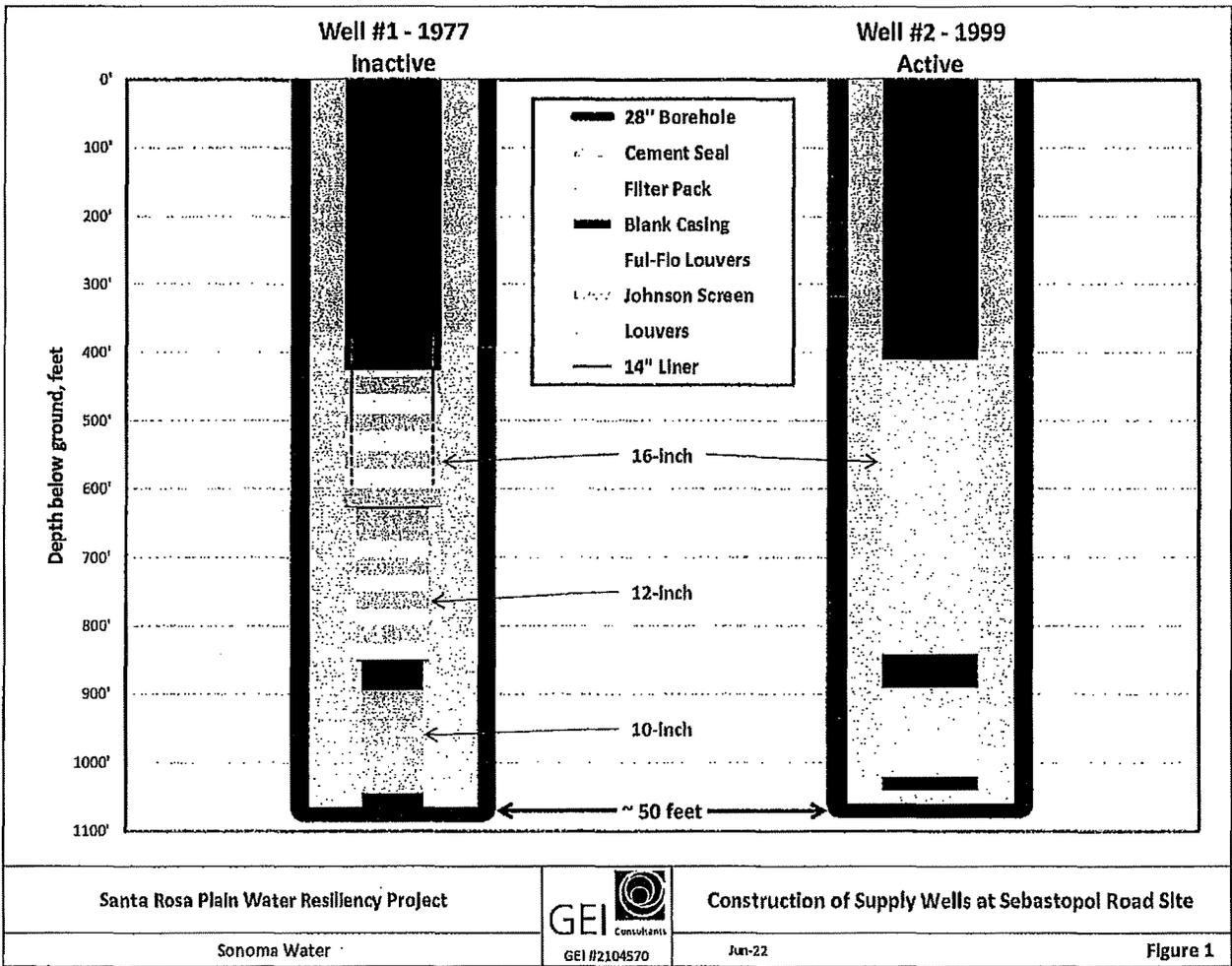
DEPTH FROM SURFACE	DORE-HOLE DIA. (Inches)	CASING (S)					DEPTH FROM SURFACE	ANNULAR MATERIAL			
		TYPE (Z)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)		CE-MENT (Z)	BEN-TONITE (Z)	FILL (Z)	FILTER PACK (TYPE/SIZE)
PLEASE SEE PAGE No. 1 No. 77032 For this part/section											

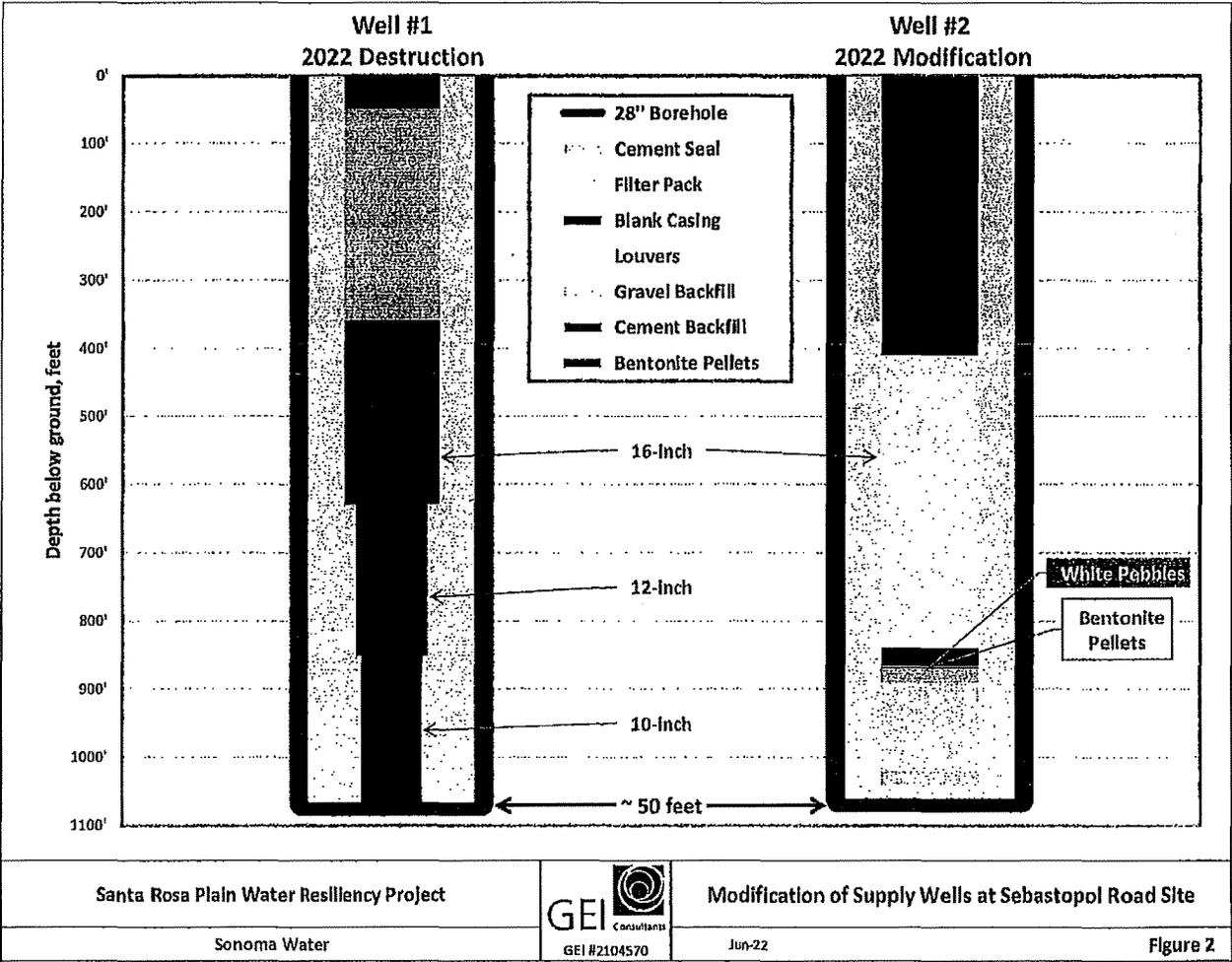
**ATTACHMENTS (Z)**  
 Geologic Log  
 Well Construction Diagram  
 Geophysical Log(s)  
 Soil/Water Chemical Analyses  
 Other

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.

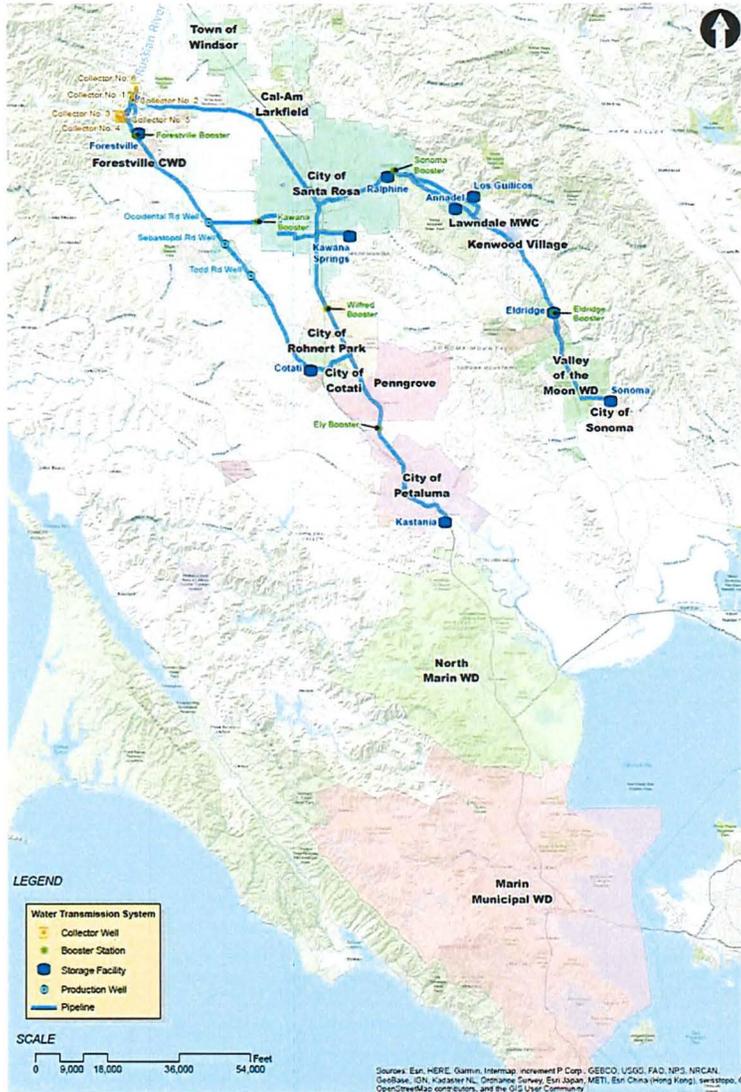
NAME **BRYLIK DRILLING, INC.**  
 PERSON, FIRM, OR CORPORATION (TYPE OR PRINTED)  
**555 S. Harbor Blvd. La Habra, CA - 90631**  
 ADDRESS STATE ZIP  
 Signed **[Signature]** DATE **3/25/99** STATE **CA** ZIP **90631**





# PLACES OF WATER USE

POTABLE WATER SYSTEM CUSTOMER SERVICE AREAS  
IN SONOMA AND MARIN COUNTIES



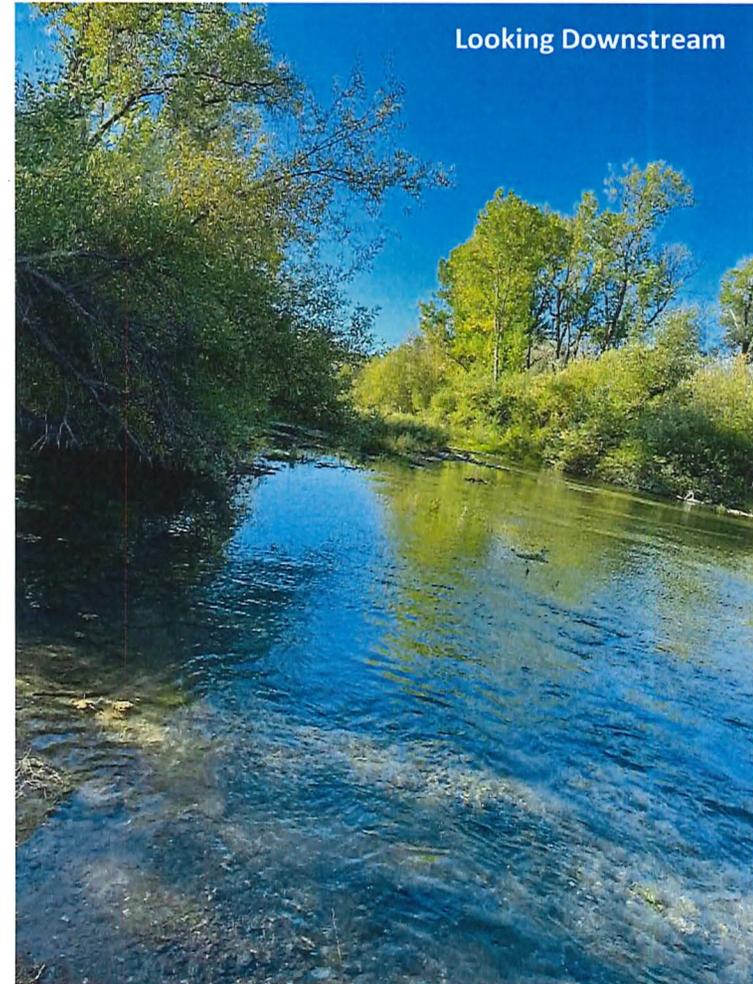
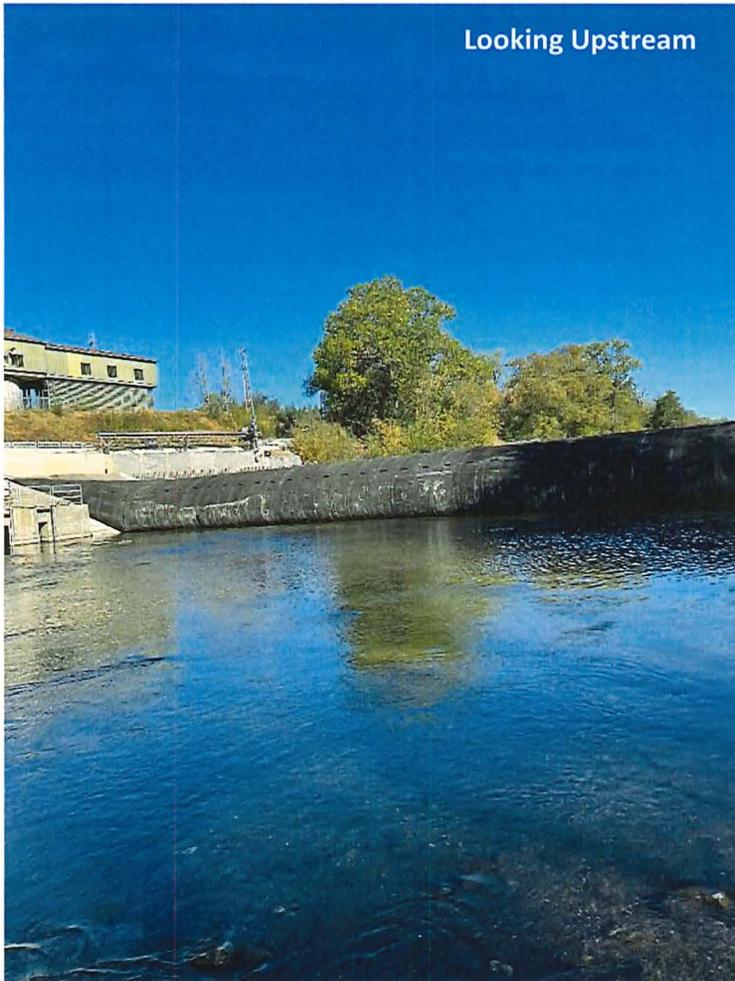
AQUIFER STORAGE AND RECOVERY WELL: SEBASTOPOL ROAD WELL



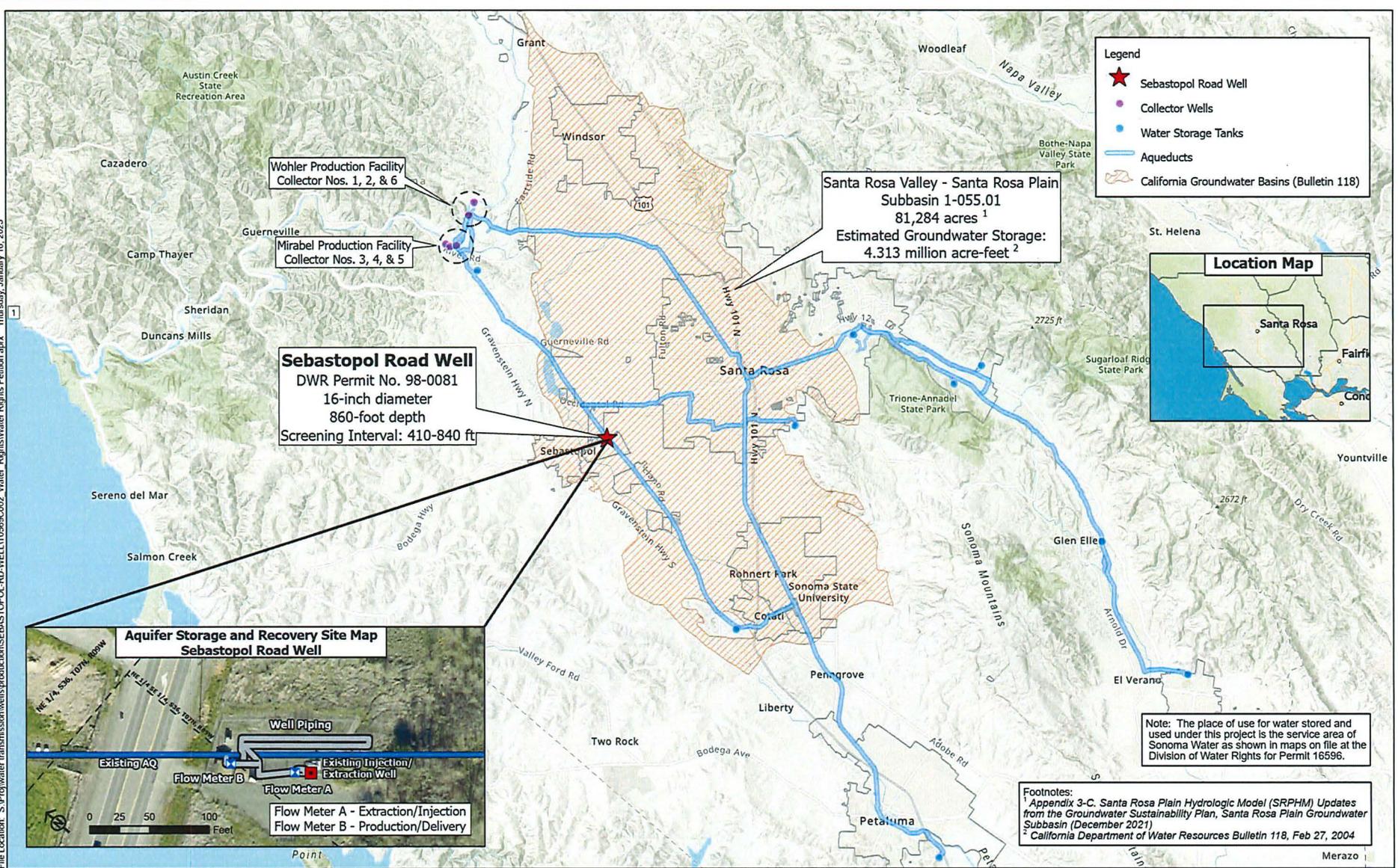


# RUSSIAN RIVER DOWNSTREAM OF RIVER DIVERSION SYSTEM AT MIRABEL PARK

MIRABEL INFLATABLE DAM (OCTOBER 14, 2021)



File Location: S:\Proj\water transmission\wells\production\SEBASTOPOL\_RD\_WELL\10569002\_Water\_Rights\Water Rights\Production.aprx Thursday, January 16, 2025



### Sebastopol Road Well Aquifer Storage and Recovery Pilot Study Project



0 1.5 3 Miles

Figure 1

