



State of California - Department of Fish and Wildlife
2025 ENVIRONMENTAL DOCUMENT FILING FEE
CASH RECEIPT
DFW 753.5a (REV. 01/01/25) Previously DFG 753.5a

Print

Save

RECEIPT NUMBER:

47-10/07/2025-051

STATE CLEARINGHOUSE NUMBER (if applicable)

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY SISKIYOU COUNTY PLANNING DEPARTMENT	LEAD AGENCY EMAIL	DATE 10/07/2025
COUNTY/STATE AGENCY OF FILING SISKIYOU COUNTY	DOCUMENT NUMBER 2025-47-051	
PROJECT TITLE		

WATER WELL PERMIT #25023

PROJECT APPLICANT NAME KYLE VON TICKNER/ENVIRONMENTAL HEALTH DIVISION	PROJECT APPLICANT EMAIL	PHONE NUMBER
PROJECT APPLICANT ADDRESS 806 SOUTH MAIN ST.	CITY YREKA	STATE CA
		ZIP CODE 96097

PROJECT APPLICANT (Check appropriate box)

☒ Local Public Agency ☐ School District ☐ Other Special District ☐ State Agency ☐ Private Entity

CHECK APPLICABLE FEES:

☐ Environmental Impact Report (EIR) \$ 4,123.50 \$ _____
☐ Mitigated/Negative Declaration (MND)(ND) \$ 2,968.75 \$ _____
☐ Certified Regulatory Program (CRP) document - payment due directly to CDFW \$ 1,401.75 \$ _____

☒ Exempt from fee

☒ Notice of Exemption (attach)

☐ CDFW No Effect Determination (attach)

☐ Fee previously paid (attach previously issued cash receipt copy)

☐ Water Right Application or Petition Fee (State Water Resources Control Board only) \$ 850.00 \$ _____
☐ County documentary handling fee \$ 50.00 \$ _____
☐ Other \$ _____

PAYMENT METHOD:

☐ Cash ☐ Credit ☐ Check ☐ Other

TOTAL RECEIVED \$ 0.00

SIGNATURE

X

ENDORSED-D. BROOKS

AGENCY OF FILING PRINTED NAME AND TITLE

Dana Brooks Deputy Clerk

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: Siskiyou
311 Fourth Street, Room 201
Yreka CA 96097

From: (Public Agency): Environmental Health Division
806 South Main Street
Yreka CA 96097

(Address) **F I L E D**

Siskiyou County

OCT 07 2025

Project Title: Water Well Permit #25023

Project Applicant: Kyle Von Tickner

LAURA BYNUM, CLERK
BY: ENDORSED-D. BROOKS
Deputy Clerk

Project Location - Specific:

7638 Shelley Road, Montague, CA (APN: 013-240-100)

Project Location - City: Montague

Project Location - County: Siskiyou

Description of Nature, Purpose and Beneficiaries of Project:
Approval of a production well.

Name of Public Agency Approving Project: Siskiyou County Community Development

Name of Person or Agency Carrying Out Project: Environmental Health Division

Exempt Status: (check one):

- ☐ Ministerial (Sec. 21080(b)(1); 15268);
☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
☒ Categorical Exemption. State type and section number: 15303 and 15061(b)(3)
☐ Statutory Exemptions. State code number: _____

Reasons why project is exempt:
See attachment.

Lead Agency
Contact Person: Rick Dean

Area Code/Telephone/Extension: 530-841-2100

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? ☒ Yes ☐ No

Signature: [Signature] Date: 9/29/2025 Title: Director

☒ Signed by Lead Agency ☐ Signed by Applicant

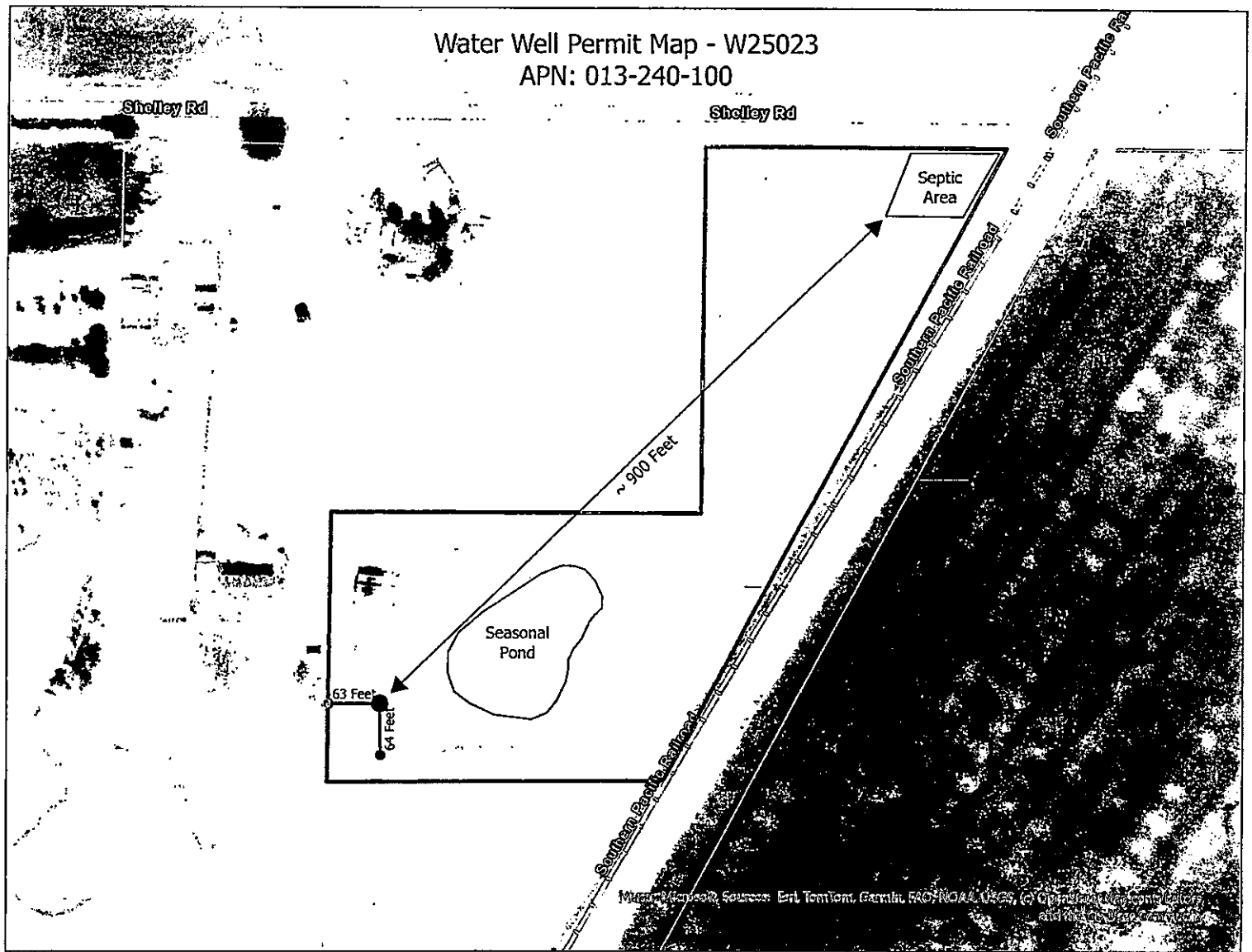
Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____

Reason why project is exempt:

Larry Walker and Associates performed a hydrogeological analysis utilizing their hydrologic modeling tool from which Natural Resources and Community Development has concluded the separation distance and well pumping drawdown indicates that the production well will not have a significant adverse impact on public trust resources. County staff has determined that the well does not pose any threat to human health, safety, or the environment. Per the Siskiyou County Flood Control District, this well is consistent with historic activity occurring on the parcel and is also consistent with the Groundwater Sustainability Plan for Shasta Valley. See memorandum for additional details.

Water Well Permit Map - W25023
APN: 013-240-100



August 12, 2025

MEMORANDUM

MEMO TO: RICK DEAN, DIRECTOR, COMMUNITY DEVELOPMENT
DEPARTMENT; DAN WESSELL, DEPUTY DIRECTOR
ENVIRONMENTAL HEALTH DEPARTMENT, SISKIYOU COUNTY

FROM: MATT PARKER, NATURAL RESOURCES SPECIALIST,
NATURAL RESOURCES DEPARTMENT

RE: PUBLIC TRUST CONSIDERATION: KYLE VON TICKNER
PRODUCTION WELL PERMIT APPLICATION, APN: 013-240-100

Whereas the counties, as subdivisions of the State of California have a fiduciary duty to consider the public trust before authorizing the drilling of groundwater well whose extractions might have an adverse impact on public trust resources.

The Siskiyou County Natural Resources Department (Department) has reviewed the above entitled well permit application for a production well to serve the purpose of irrigating 5 acres of farmland in the Shasta Valley. The Department has reviewed 1) the information in the application, and 2) the technical memorandum (Attachment #1) prepared by Larry Walker Associates to aid in its evaluation of Public Trust Doctrine consideration.

The Department finds:

- The well location is approximately 21,462' from the nearest navigable waterway (Shasta River).
- The professional technical memorandum prepared by Larry Walker Associates, which models impacts from the proposed replacement well, along with the other materials reviewed, do not indicate that extraction of water from the proposed well would substantially impair or interfere with public trust uses or values within interconnected downstream navigable waters, including the Shasta River.
- More specifically, under the conditions specified below, the limited pumping from this existing Agricultural Use (5 acres) in the Shasta Valley watershed in the same historic farmed acreage will not substantially impair or interfere with public trust

uses or values within interconnected downstream navigable waters, including the Shasta River.

- To the extent the use of groundwater from this site may ultimately contribute to cumulative reductions in surface waters in downstream navigable waters, the production of groundwater for irrigation use on this parcel in the Shasta Valley is within the public interest because this parcel holds groundwater rights intended to be put to beneficial use consistent with Article X, section 2 of the California Constitution.
- The issuance of this permit for a public well purpose qualifies as a Class 3 categorical exemption under Section 15303 of the CEQA Guidelines which allows for construction and installation of small new equipment facilities. In addition, the project has been found to be consistent with Siskiyou County Codes and Policies.

Replacement Well water use (well permit conditions):

- Water production is not to exceed irrigation of the 5 acres of farmland historically farmed on APN #013-240-100
- The subject well shall be in compliance with current and any future directives put forth by the Shasta Valley Groundwater sustainability Agency (GSA) to maintain groundwater sustainability, including monitoring and addressing impacts to Public Trust Resources. In the Shasta Valley the project and management actions may include but are not limited to reporting of pumping volume, strategic groundwater pumping restrictions, voluntary well metering

Attachment:

- Attachment #1 - LWA Technical Memorandum

ATTACHMENT #1

lwa LARRY WALKER
ASSOCIATES

1480 Drew Avenue
Suite 100
Davis, CA 95618

530. 753. 6400
info@lwa.com
www.lwa.com

August 11, 2025

To: Matt Parker, Siskiyou County
From: Laura Foglia, Larry Walker Associates
Copy To: Rick Dean, Siskiyou County
Jerry O'Neill

Subject: Technical Memorandum for Preliminary evaluation of proposed well KVT1 APN 013-240-100, Shasta Valley, CA

Introduction

This technical memorandum (TM) describes a preliminary modeling analysis of the effects of pumping proposed well KVT1 in Shasta Valley, California (Figure 1) on Shasta River streamflow.

The Shasta Watershed Groundwater Model (SWGM), documented in the GSP¹, was used to simulate pumping from the proposed well. SWGM represents the best currently available scientific tool for this purpose. The model is presently being updated through the GSP process, and the current version of the model was used for the analysis presented in this memorandum.

Thus, SWGM was applied to evaluate impacts of the proposed pumping on streamflow in the Shasta River. Location, depth, pumping rate, and period of pumping, along with use information, for the proposed well were provided by the applicant and are listed in Table 1.

SWGM grid cell location for the pumping was determined from the well location provided by the applicant, and model layer for the pumping from KVT1 was determined from the land surface elevation at the proposed well site and the expected completion depth of the well.

Streamflow impacts were evaluated by comparing model results with well KVT1 pumping to results of the baseline scenario. The estimated pumping rate of KVT1 is 55 gallons per minute (gpm), and the well is planned to operate from May through September (Table 1), which is 153 days. However, Table 1 also reports the estimated annual extraction volume to irrigate the pasture is 10 acre-feet, which suggests that pumping would not occur continuously at 55 gpm during the 5 months of use. Thus, an average pumping rate of 14.89 gpm for the period, which totals 10 acre-ft for the season, was simulated to evaluate the streamflow impacts.

¹ Siskiyou County Flood Control and Water District Groundwater Sustainability Agency, Shasta Valley Groundwater Sustainability Plan, January 2022, <https://www.co.siskiyou.ca.us/naturalresources/page/shasta-valley>

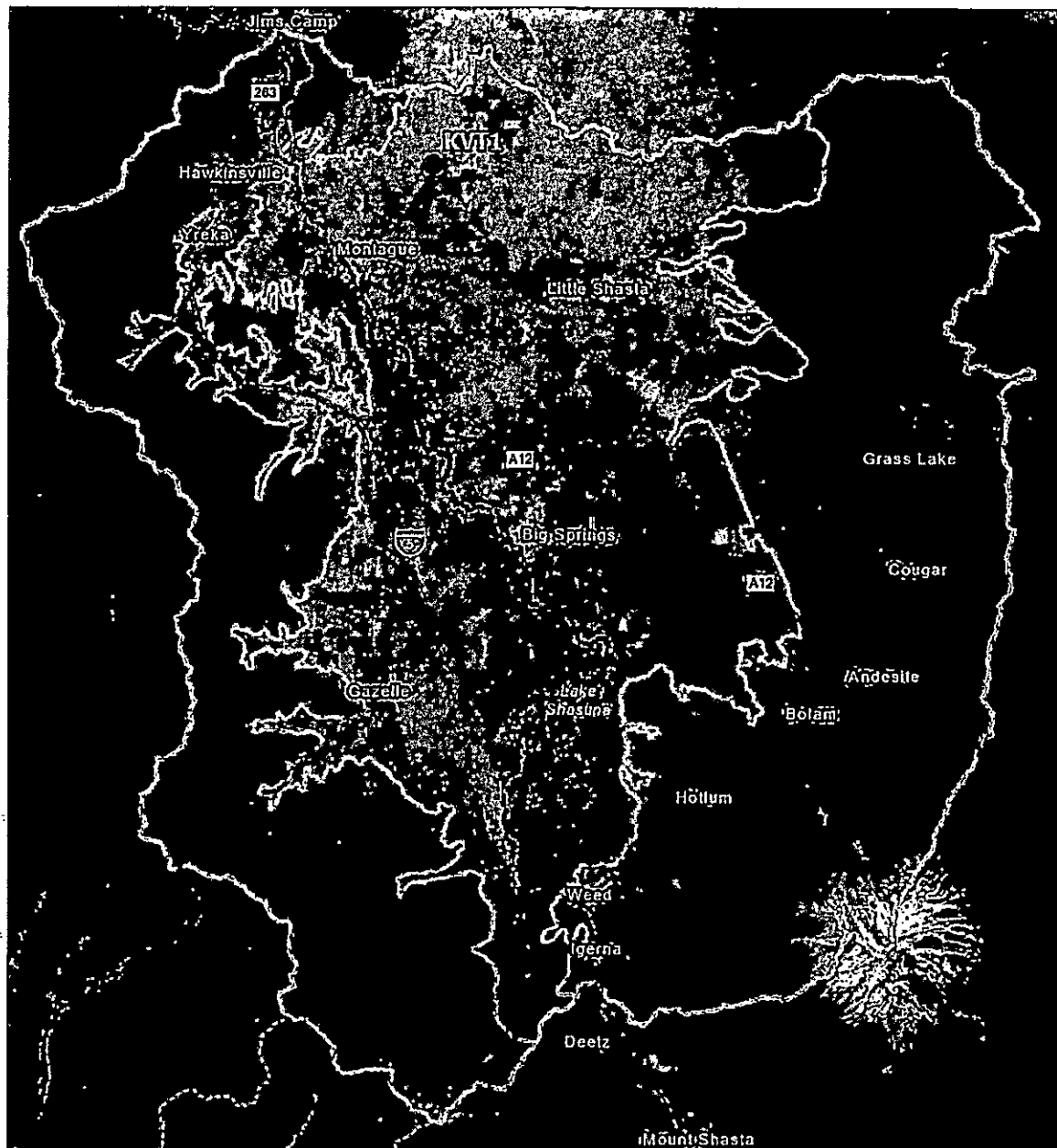


Figure 1. Map showing Shasta Valley watershed and groundwater basin, Shasta River, and location of proposed well KVT1.

Table 1. Proposed well information.

Well	Lat	Long	Estimated Pumping Rate (gpm)	Estimated Depth (feet)	Estimated Time of Use	Estimated Acreage of Use (acres)	Estimated Annual Extraction Volume (acre-ft)	Crop Type
KVT 1	41° 48.111'N	122° 29.690'W	55	300	May- September	5	10	Pasture grass

KVT 1 model coordinates (NAD_1983_California_Teale_Albers)

x: -207752 m

y: 419496 m

SWGM model row: 29

SWGM model column: 81

SWGM model layer: 3

Evaluation of Proposed Well KVT1

Figure 2 shows the location of the proposed pumping well KVT1. A tributary to the Shasta River is shown to the south, which joins the Shasta River to the west of Montague. Blue shaded cells represent the Shasta River and its tributaries, and red shaded cells represent virtual agricultural pumping wells² in SWGM. The closest reach of the Shasta River to well KVT1 is approximately 6,500 m or about 4 miles away.

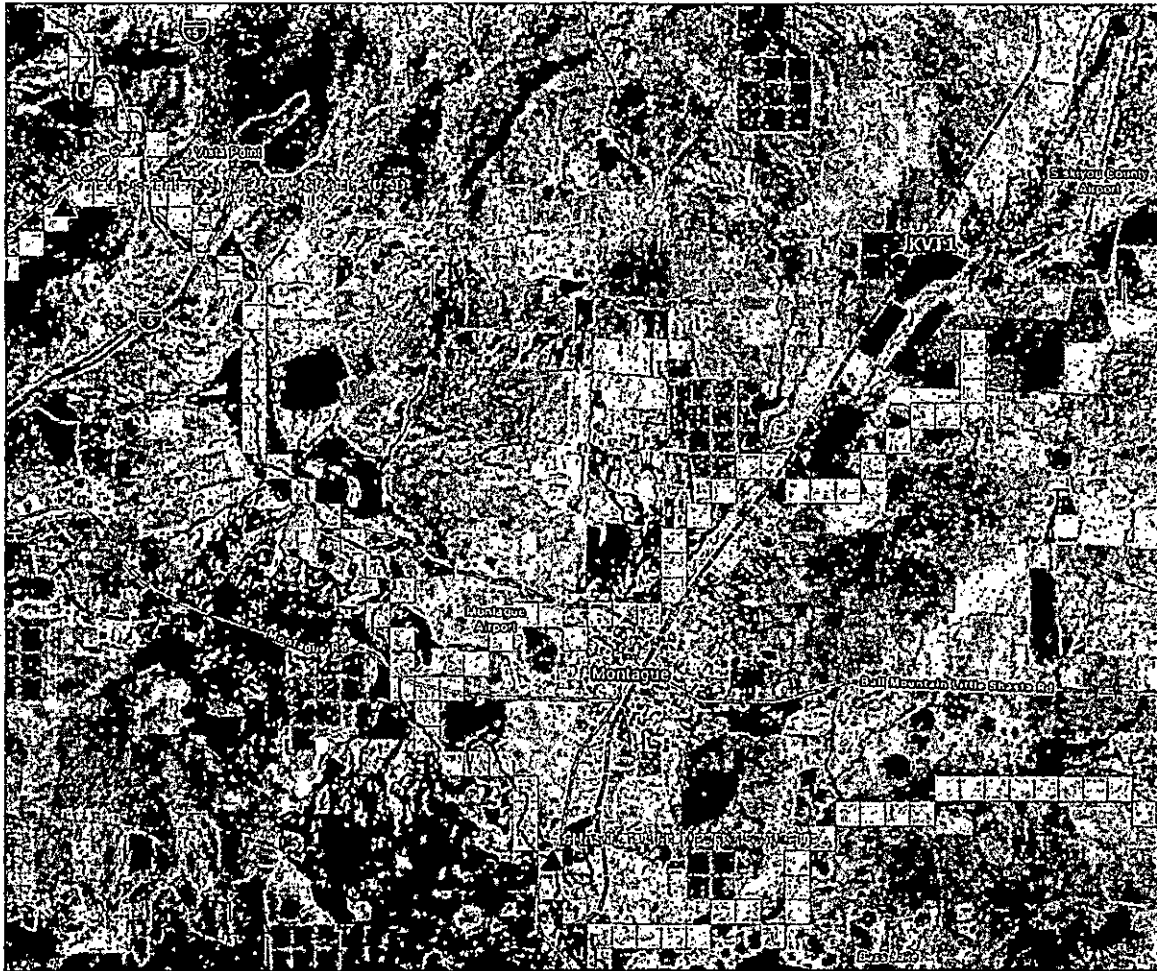


Figure 2. Map showing location of proposed well KVT1, Shasta River and its tributaries, and agricultural pumping locations in SWGM.

² Actual agricultural irrigation well locations were not determined in the current model configuration; thus, virtual wells were used to distribute the irrigation pumping estimated by University of California, Davis and Larry Walker Associates.

Figure 3 shows an east-west cross-section along the SWGM in the vicinity of well KVT1. Model grid cells are uniform in map view with an area of 270 m², but are variable in thickness. In the vicinity of well KVT1, model layer 1, the uppermost layer, is about 10 m or 32 ft in thickness; model layer 2 is 50 m or about 164 ft in thickness; model layer 3 is 100 m or 328 ft thick, and model layer 4 is 350 m or 1,148 ft thick. In this view, the model representation of the Shasta River is indicated with a green shaded cell in layer 1. The location of an agricultural well in the current model is depicted with a red shaded cell. Cyan shaded cells in layer 1 indicate locations of irrigation ditches. The location of well KVT1 is shown by the blue circular symbol with an "X" inside, and is collocated with an existing virtual agricultural well in the model. The screen interval of KVT1 is determined to be located within SWGM model layer 3, which corresponds with the expected depth of KVT1.

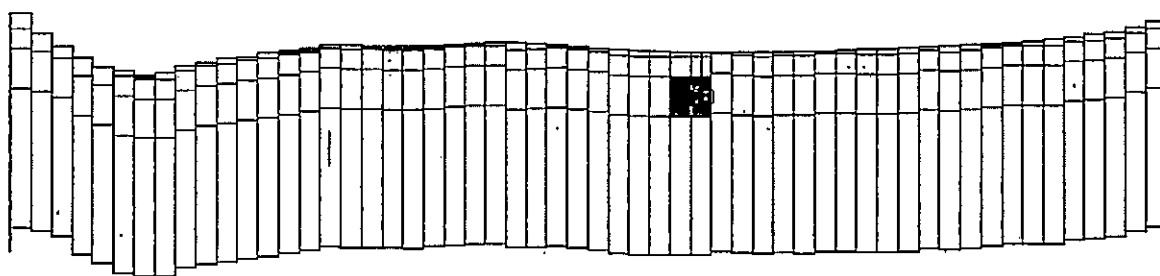


Figure 3. Cross-section of model grid in vicinity of well KVT1. Model rows are oriented along east-west cardinal directions on a compass: east is to the right and west is to the left.

Figure 4 shows contours of the difference in the computed water table elevation with well KVT1 pumping compared to the baseline model. Maximum drawdown along the Shasta River tributary to the south is approximately 0.006 m or less than 1 cm.

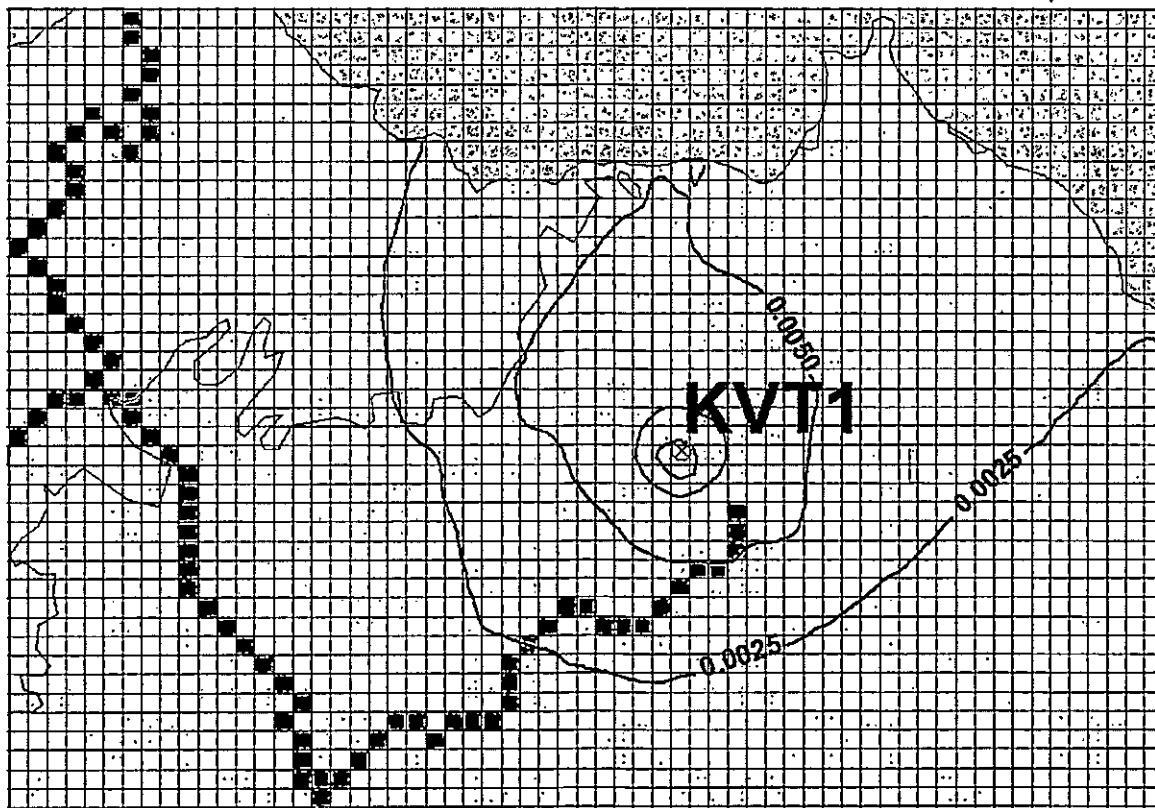


Figure 4. Contours of water table difference, in meters, due to pumping Well KVT1. Green shaded cells represent the Shasta River and its tributaries; gray shaded cells represent land outside the groundwater basin boundary.

Streamflow depletion along the Shasta River and its tributaries due to pumping from KVT1 varies through time. Initially, the water pumped by the well comes from groundwater storage corresponding with groundwater level declines but, with time, an increasing amount of the pumped water is derived from reduced discharge to the streams and induced infiltration from the streams. As noted previously (Table 1), pumping from KVT1 occurs during the irrigation season from May through September; effects of the additional pumping continue for a time after pumping stops, then the system transitions back to its previous state as the irrigation season ends and the wet season begins, then the cycle repeats.

Based on comparison of model computed streamflow over 33 years in the baseline vs. KVT1 pumping scenario at a location on Shasta River about 3 miles downstream of the confluence of the tributary and Shasta River, average annual streamflow depletion is estimated to be about 70 percent of the annual pumping of well F1, which is 10 acre-ft (Table 1). It requires about 10 years to reach this average of approximately 7 acre-ft per year of the well discharge being supplied by streamflow depletion. Maximum streamflow depletion represents approximately 0.004 percent of modeled average annual streamflow at the "gage" location.

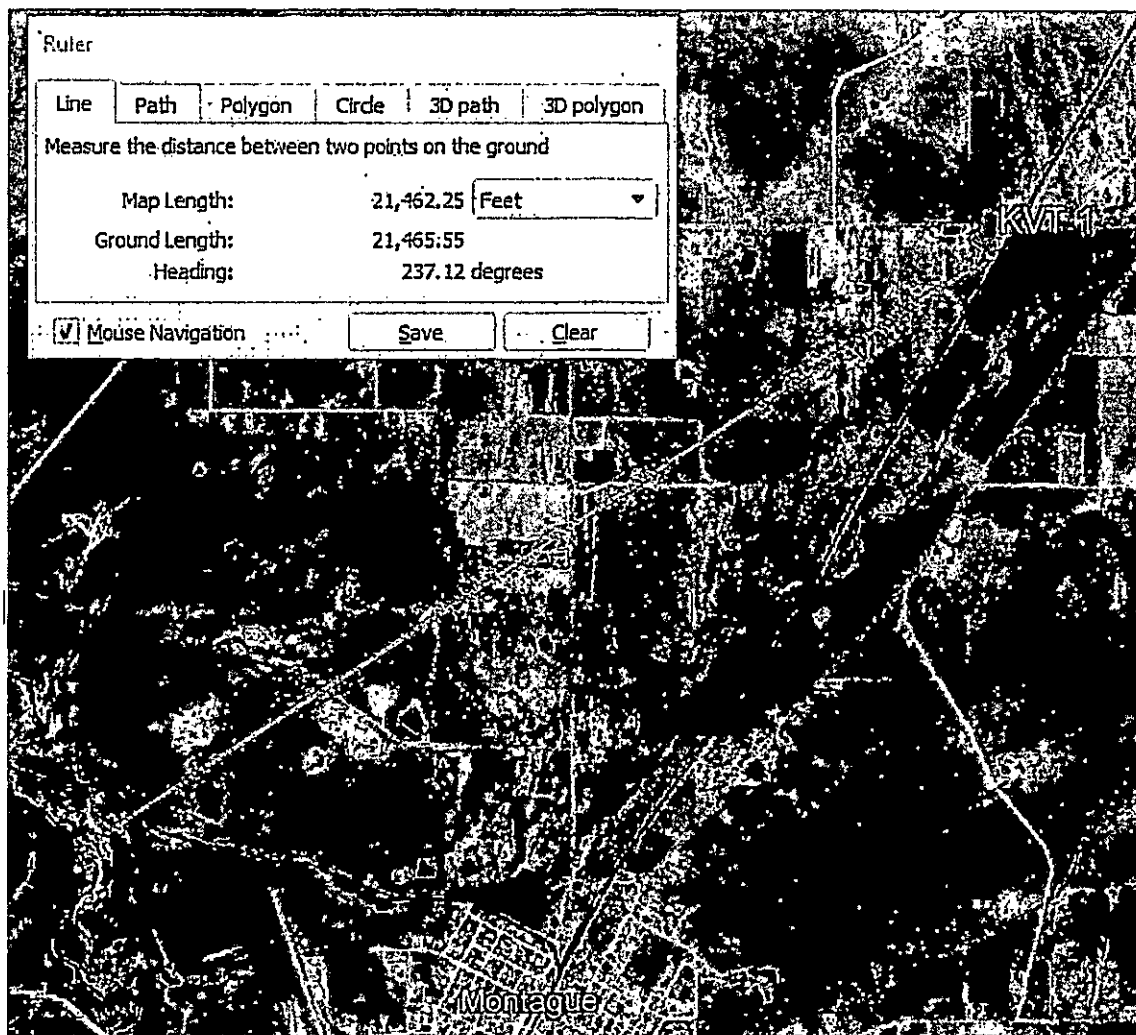
Limitations

SWGM is presently being updated and recalibrated. Currently, some areas of the model are better calibrated than others. Thus, computed groundwater levels and flows, and stream flows, may change as improvements are included in the model. However, the evaluation described herein is based on changes in heads and streamflow from the baseline model, which should help minimize issues with the current status of calibration. An additional limitation of this analysis is that, currently, pumping from individual wells is evaluated separately; however, the effects of permitting multiple new wells are additive. Thus, a model simulation that includes all the permitted wells would be needed to evaluate the combined effects on streamflow depletion. Further, this simple approach for evaluating the proposed wells assumes that the recharge, due to climatic variations over the past 33 years, will follow the same pattern with the same rates in the future. It also assumes that, except for the addition of KVT1, future pumping will occur at the same locations and rates as the historical modeled values.

Future hydrology (wet or dry years), if different than the period simulated, could result in more or less computed streamflow depletion due to differences in accompanying aquifer recharge rates. A future simulation with projected hydrology could address this limitation on estimating long-term impacts from the proposed pumping.

Conclusions

The SWGM was used to compute groundwater level and streamflow impacts, due to pumping proposed well KVT1, on the Shasta River. Results based on the current model suggest that pumping at the proposed location, depth, pumping rate and duration, would have minimal impact on streamflow in the Shasta River.



CALIFORNIA ENVIRONMENTAL FEE FORM

On Oct. 6, 2025, Kyle Von Tickner filed an application
(Date) (Name)
for development with the County of Siskiyou. Before the application
(Name of City)
is accepted as complete for processing, fees in the following amount(s) must be deposited with
the County Clerk.

☒	Clerk Processing Fee	\$50.00
☐	Negative Declaration	\$2,968.75*
☐	EIR	\$4,123.50
☒	Categorically Exempt	\$0.00
☐	Statutorily Exempt	\$0.00
☐	Fee Exemption issued by the DFG	\$0.00
☐	Other _____	\$ _____

No project shall be operative, vested or final until the required fee is paid. *Public Resources Code §21089 (b)*

On Oct 6, 2025, Siskiyou Environmental Health deposited \$ 50.00,
(Date) (Name)

with the Siskiyou County Clerk ENDORSED-D. BROOKS

(Attest)

Application No. N/A
(To be completed when application is received for processing)

Receipt #

2025004543/ 47-10101/2025-
12603378 051

* If it is determined by Siskiyou County that the fee required for a Negative Declaration does not apply to your project a refund will be granted.

2025 Fee Form

12603378

Laura Bynum
Siskiyou
County Clerk/Registrar of Voters
311 4th St., Rm. 201
Yreka, CA 96097
(530) 842-8084

Public
Receipt No.: RPT20250000000680
Finalization No.: 2025004543
Cashier: dbrooks
Registrar: CLK-044
Date/Time: 10/07/2025 12:37 PM

Description	Fee
NOTICE OF EXEMPTION	
Filing Time:	12:37 PM
Filing Total:	No Fee
Filing Fee:	No Fee
Total Amount Due:	\$0.00
Total Paid	

Amount Due: \$0.00

IGC# J2603378

THANK YOU
PLEASE KEEP FOR REFERENCE

