Application Form for 2025 Local Cooperative Solution for Overlying or Adjudicated Groundwater Rights in Scott River and Shasta River Watersheds

Please complete this form if you plan to implement a groundwater local cooperative solution (LCS) for the 2025 irrigation season under the Scott River and Shasta River watersheds emergency regulation. Applications must be submitted for at least a full irrigation season. A separate application should be submitted for each type of groundwater LCS proposal. **The form and attachments are due by April 15, 2025.**

How to Submit: To submit your application and associated required materials (see Section 2) you can:

- Use the online form
- Email: DWR-ScottShastaDrought@waterboards.ca.gov
- Mail:

  State Water Resources Control Board Division
  of Water Rights - Instream Flows Unit
  1001 I Street - 14th Floor
  Sacramento, CA 95814

Section 1: Applicant Information

Name	Mark & Shelene Johnson
Name of Farm, Ranch, or Business	Mark & Shelly Johnson Ranch
Phone Number	[redacted]
Email Address	[redacted]

By typing or signing your name below and submitting this form to the State Water Resources Control Board (State Water Board) you hereby certify that the submitted information is true and correct to the best of your knowledge.

Name: *Shelene Johnson* *Date:* 4/14/25

Section 2: Application Checklist

Below is a list of items to include with your application form:

- Application Form (paper or email submittal accepted).
- If working with a Coordinating Entity (Section 4 of application), submit a signed Binding Agreement (paper or email submittal accepted).
- Supporting Information (electronic submittal only). Submit the applicable information based on selected groundwater LCS.
    - Best Management Practices Groundwater LCS (see Section 7 of application)
        - Description of how you will implement all of the required components.
        - Map(s) with each well(s), meter location(s), and field(s) labeled.
    - Graduated Groundwater Cessation Schedule LCS (see Section 8 of application)
        - Description of how you will reduce irrigation compared to standard practices on the property (e.g., practice in a similar unregulated year).
        - Map(s) designating the area where diversions will cease by the required dates, well location(s) and meter location(s), and field(s) labeled.
    - Percent Reduction Groundwater LCS (see Section 9 of application)
        - Description of verifiable water reduction actions that will be implemented.
        - Spreadsheet with monthly volumes for baseline year and current year. Use one row per irrigation method per field.
        - Map(s) with each well(s), meter location(s), and field(s) labeled.
- A description of existing and planned groundwater metering (Section 6 of application), a time schedule for additional installation or information to support a waiver request, and a plan to record metered extractions or applications weekly and to report them monthly to your Coordinating Entity and/or State Water Board.
- Groundwater Well or Metered Application Information (see Section 5 of application) (paper or email submittal accepted).

Section 3: Requirements for All Groundwater LCS Proposals

- **Deadline:** Proposals are due to the State Water Board by April 15, 2025.
- **Implementation:** Proposals must be implemented during the entirety of one or more irrigation seasons (including the time prior to approval), unless the applicant withdraws the application.
- **Metering:** Proposals must include a description of metering that will be used to measure groundwater well extractions or applications covered under the LCS and information on how extractions and/or applications will be recorded weekly and reported monthly to the Deputy Director (or Coordinating Entity, if so agreed). Please note the Coordinating Entity is required to provide this data to the State Water Board.
    - *Funding for Meters:* The State Water Board has limited funding and technical support available for some amount of metering and those interested in such assistance should promptly contact State Water Board staff using the "Contact Information" at the end of this application.
    - *Time Schedule for Metering:* All applicants should have the required metering equipment installed and operating before the start of irrigation season so that all groundwater extractions or applications covered by the LCS are metered.
    - *Waivers*: Proposals may include information requesting waiver of the metering provisions in the following instances:
        - Groundwater wells that irrigate less than 30 acres. Information supporting the request to waive metering provisions must be provided, including the distance of the groundwater well to surface water. The State Water Board may require other information in lieu of monitoring.
        - Metering is not feasible. Substantiation for the infeasibility of installing a meter must be provided. This includes feasibility evaluation of installing a meter at the well(s) and at the place(s) of use (e.g., pivot).

Section 4: Coordinating Entity

Select only one (1) box below. Please note that a Coordinating Entity is not required. If a Coordinating Entity is not selected, parties will work directly with the State Water Board to provide metering data and ensure performance of the groundwater local cooperative solution. For more information on Coordinating Entity provisions, refer to Section 875(f)(1)(G) in the emergency regulation.

☐ California Department of Fish & Wildlife
Contact: Crystal Robinson
(530) 340-0767
crystal.robinson@wildlife.ca.gov

☐ Shasta Valley Resource Conservation District
Contact: Rod Dowse
(530) 598-1253
rdowse@svrcd.org

☐ Siskiyou Resource Conservation District
Contact: Evan Senf
(530) 643-1585
evan@siskiyourcd.com

☑ Scott River Water Trust
Contact: Chris Voigt
(916) 396-0131
chrisb.voigt@gmail.com

☐ Other, I am proposing an Entity not in the provided options. Please provide the name of the Entity, contact information, and description of qualifications in the box below.

☐ I select not to work with a coordinating entity.

Section 5: Groundwater Well Information

Complete the table below or include an attachment for information on the groundwater wells, fields irrigated by the well and the APN, and associated meters that are covered under the proposed groundwater LCS.

- Well ID: Name of the well covered by the proposal LCS
- Well Coordinates: Latitude and Longitude of the well location
- Field APNs: List the APNs for the fields irrigated by the well. Please include APN of fields fallowed as part of the LCS plan.
- Meter ID: List the meters recording extraction or application from this well.

Well ID	Well Coordinates	Field APNs	Meter ID
Example: Well #1	(40.57686, -122.3657)	547-988-0975; 547-989-0976	Meter 1 Meter 3
4625	[redacted]	[redacted]	

For assistance in finding well coordinates, you can use Google Maps (www.google.com/maps).

Section 6: Metering Information

Please describe the metering plan for all the fields that will be irrigated under the LCS. Remember that meters can be installed at the well head or at the place of use (e.g., pivots). All meters should be installed to manufacturers' specifications and recommendations and measurements should be in the expected accuracy range. Fill in the box below, upload an attachment, or email a document or spreadsheet with the information requested in this section.

a. Describe how you will record weekly extractions or applications and report monthly volumes. Include a description of all water uses associated with each groundwater well that is part of this groundwater LCS. For each meter include the Well ID the meter is recording, the amount of irrigated acres covered and the crop type. Each meter should have an identifier (e.g., Meter #1) included in the description and in the monthly reports.

   For example, *"the ranch manager will log meter readings at Well #1 using Meter #1; and for Well #2, the ranch manager will log meter readings at pivots 1 & 2 using Meters #2 and #3."* Also note what the water is being used for – *"Well #1 irrigates 50 acres of grain on fields A and B, 100 acres of pasture on fields E, G, and Z. Meter #2 will irrigate 75 acres of alfalfa on field Y and Meter #3 will irrigate 25 acres Alfalfa on Field W. The manager will send the logs and photos to the Water Board by no later than the 5th of the month for the preceding month."*

See cover letter

b. For groundwater wells and applications that are NOT currently metered, in the box below please describe the time schedule and plan to install meters, including a description of efforts to obtain a meter before the initiation of groundwater diversions covered by this groundwater LCS, and when such efforts were undertaken. If you want to file for a waiver to the metering requirement, please use the box below and include information on why metering of your well(s) or applications should be waived. Be sure to include total irrigated acres, distance of the well(s) from surface water, a description of why metering is infeasible, if applicable, and any additional information that supports your waiver request.

See cover letter

Select the type of groundwater LCS you are applying for and complete the corresponding sections of the application. A separate application should be submitted for each type of groundwater LCS request.

☐ Best Management Practices Groundwater LCS - Complete sections 7

☐ Graduated Groundwater Cessation Schedule LCS - Complete sections 8

☑ Percent Reduction Groundwater LCS - Complete sections 9

Please indicate the proposed time period for the LCS you are applying for (e.g., one irrigation season or multiple seasons). If multiple seasons, please provide the time period.

One irrigation season

Section 7: Best Management Practices Groundwater LCS

1. Provide the total amount of all irrigated acreage (with units) covered under your proposal for a Best Management Practices Groundwater LCS: ☐

2. Write in the box and/or email a description of the irrigation system that will be used under this proposal, specifying details of your low-energy precision application system, soil moisture sensors, and any corners that will be irrigated. (Refer to Section 875(f)(4)(D)(vii) of the emergency regulation.)

3. Please include a map(s) of each field with labels for well(s), meter(s), and field crop type.

4. Certify all of the following by initialing or checking each box:

☐ a. I certify the use of a low-energy precision application (LEPA) system on all irrigated acreage covered under this groundwater LCS.

☐ b. I certify to not use end guns for irrigation for the duration of the season.

☐ c. I certify to cease irrigation of corners after June 15, 2025.

☐ d. I certify to use soil moisture sensors to inform irrigation timing, and maintenance of such records, which I will make available for inspection by the Coordinating Entity, if applicable, and/or the State Water Board.

☐ e. I certify that I will further limit irrigation based on water year, in the event of the hydrologic condition noted in i or ii below. If this requirement is triggered, the State Water Board will inform all Best Management Practices Groundwater LCS applicants for the applicable watershed(s).

   i. Scott River Watershed: Snow pack of 80% or less of the Department of Water Resources California Data Exchange Center's first May snow water equivalent station average (or the average of the first April measurement if May snow pack measurements are not gathered) in Scott River watershed.

   ii. Shasta River watershed: A water year determination of dry or very dry in the Shasta River watershed, as determined under Table 2 of the March 2021 Montague Water Conservation District water operation plan.

Section 8: Graduated Groundwater Cessation Schedule LCS

A Graduated Groundwater Cessation Schedule LCS may be approved if the applicant agrees to a below schedule AND provides evidence that irrigated acreage is reduced compared to standard practice on the property (e.g., practice in a similar unregulated year). Under this groundwater LCS type, the applicant must select one of two potential irrigation schedules, listed below. See section 875(f)(4)(D)(vi) of the emergency regulation.

1. Provide the total amount of irrigated acreage (with units) under your proposal for a Graduated Groundwater Cessation Schedule LCS:

2. Select the irrigation schedule you certify to implement.

☐ **Option 1:** By the dates below, pumping to irrigate the following percentages of irrigated acres shall cease:

- 15% by July 15,
- 50% by August 15, and
- 90% by August 31, with a maximum of 8 inches of water to be applied to the remaining 10% of irrigated acres during the remainder of the irrigation season. This 10% can be on land previously fallowed.

☐ **Option 2:** By the dates below, pumping to irrigate the following percentages of irrigated acres shall cease:

- 20% by July 20,
- 50% by August 20, and
- 95% by September 5, with a maximum of 6 inches of water to be applied to the remaining 5% of irrigated acres during the remainder of the irrigation season. This 5% can be on land previously fallowed.

4. Please write in the box or include a description that demonstrates that the proposal reduces irrigation as compared to standard practices on the property (e.g., practice in a similar unregulated year). If applicable, please take crop rotation and number of alfalfa cuttings into account.

5. Please include a map(s) that identifies the well(s), meter(s), and which field(s) are associated with each cessation date covered by this groundwater LCS.

Section 9: Percent Reduction Groundwater LCS

The applicable percent reduction in groundwater pumping noted below must be demonstrated for the Percent Reduction Groundwater LCS consistent with section 875(f)(4)(D)(v) of the emergency regulation, and summarized below.

- **Scott River Watershed:** A net groundwater pumping reduction of at least 30% throughout the irrigation season (April 1 – October 31) and a monthly reduction of at least 30% between July 1 through October 31.
- **Shasta River Watershed:** A net groundwater pumping reduction of at least 15% throughout the irrigation season (March 1 – November 1) and a monthly reduction of at least 15% between June 1 through September 30.
- The relevant water use reduction shall be based on a comparison to a baseline irrigation season (i.e., 2020, 2021, 2022, or 2023).
    - BUT, if the previous year baseline is higher than the following applied water rates:
        - 33 inches per year for alfalfa,
        - 14 inches per year for grain, or
        - 30 inches per year for pasture
    - Then the above values shall be used as the baseline UNLESS the applicant provides sufficient additional information supporting an alternative baseline.
- Please provide the total amount of irrigated acreage (with units) under your proposal for a Percent Reduction Groundwater LCS. 92.15 acres
- If you are proposing a Percent Reduction Groundwater LCS, please include the following files to the State Water Board and your Coordinating Entity.

a. A description of practices that reduces groundwater pumping and how the State Water Board (or Coordinating Entity, if applicable) can verify those actions.

See attached cover letter

b. A spreadsheet with monthly pumping volumes for the selected baseline year and current year. Use one row per irrigation method per field.

c. Map(s) with each field labeled, well locations, and meter locations.

Submission of Groundwater LCS Proposal to State Water Board

A groundwater LCS may require the applicant to attach or email additional information, such as descriptions, spreadsheets, maps, or other relevant information. State Water Board staff request descriptions be submitted as Microsoft Word (.docx, .doc) or Adobe PDF (.pdf) files as these file formats are easiest for staff to work with applicants to review and revise, if needed. For the same reasons, staff request that applicants submit spreadsheets as Microsoft Excel files (.xlsx, .xls).

Submitting documents in other formats, such as photographs of narratives or narratives via traditional mail may lengthen the review process. If you need assistance, please contact your Coordinating Entity (see Section 4) or State Water Board staff identified in the Contact Information section below.

To submit your application with all required materials (see Section 2), you can:

- Use the online form
- Email: DWR-ScottShastaDrought@Waterboards.ca.gov
- Mail:
  State Water Resources Control Board
  Division of Water Rights - Instream Flows Unit
  1001 I Street - 14th Floor
  Sacramento, CA 95814

Contact Information for State Water Board Staff

- Rachel Wright
  Phone: (916) 322-8420
  Email: Rachel.Wright@waterboards.ca.gov
- Robert Solecki
  Phone: (916) 341-5400
  Email: Robert.Solecki@Waterboards.ca.gov
- Division of Water Rights – Scott-Shasta Phone Line and Email
  Phone: (916) 327-3113
  Email: DWR-ScottShastaDrought@Waterboards.ca.gov

What's Next?

State Water Board staff will review each groundwater LCS application. If staff identify errors, a need for additional information, or changes that need to be made, they will contact the applicant. Once staff determine the application is substantially complete, it will be posted as pending on the State Water Board's Local Cooperative website for the Scott River and Shasta River watersheds emergency regulation.

Mark & Shelene Johnson
A: [redacted]
E: [redacted]

State Water Resources Control Board
1001 I Street
Sacramento, CA 95814

RE: 2025 Local Cooperative Solution – Mark & Shelene Johnson

To Deputy Director:

As authorized by 23 CCR §§ 875(f)(4)(D), Mark & Shelene are providing this letter to further describe its proposed local cooperative solution (LCS) for the 2025 irrigation season.

Introduction/Historical Irrigation Practices

All of the approximately 108 acres[1] we own and irrigate at the above address have been cultivated as alfalfa and grass as well as permanent pasture (predominantly grasses and clover) since 1994 for seasonal rotational grazing of cattle. Irrigation infrastructure for hay fields and seasonal pasture includes one overlying agricultural well that supplies the following areas and equipment:

(i) **Center Pivots** (approximately 41 acres) - One automated circular center pivot services most of our acreage. It was installed in 2013.

(ii) **Wheelline** (approximately 28 acres) - Wheellines (i.e. long mobile pipe sets historically moved manually during irrigation season) service approximately 28 acres. Generally, each wheelline is moved manually each day at approximately 6 am and at 6pm resulting in two approximately 11 hour operation periods during a 24 hour period.[2]

(iii) **Corners** (approximately 10 acres) - Since our property is irregularly shaped, certain areas of the property cannot be irrigated with circular pivots or rectangular wheellines; remainder areas (i.e. "corners") are irrigated using a combination of methods including Irripods (daisy chained ground level sprinklers) and handlines .

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[1] For purposes of this letter, all acreage estimates have been estimated in good faith using satellite imagery.

[2] Time is required for wheelline to drain fully and be moved, which can take an hour or so each move. No irrigation occurs during periods required to drain/move wheelline. Hence, the estimation of 11 hour sets.

Irrigation season for seasonal hay ground and pasture across our property, including in 2023 (base year) typically begins for us about April 1 each year and continues into late October, subject to variance depending on annual temperature and precipitation conditions.

Specific 2025 Conservation Practices and Infrastructure Improvements

Conservation efforts for 2025:

We have entered into a contract with Siskiyou County Farm Bureau under a grant awarded by California Department of Fish and Wildlife's Restoration Grant Programs: Drought-Protecting Salmon" program. The title of the project is the "Scott and Shasta Valley Irrigation Efficiency Enhancement Project" and the two primary objectives of the project are 1) measure critical actual ET and soil moisture data at the field scale to support calibration of the SVIHM (Scott Valley Integrated Hydrological Model) and develop better estimates of applied water in Scott and Shasta Valleys; 2) provide farms with farm management plans. Under the scope of the project the Bureau accepts privately collected data related to evapotranspiration, including, but not limited to, actual evapotranspiration (ETca), net Radiation, sensible heat flux, and ground heat flux, as measured by the Evapotranspiration and soil moisture station that will be installed as part of the project (Privately Collected Data). To collect accurate data we have been asked to water normally on the pasture portion of the pivot, approximately 30 acres. Therefore, on those approx. 30 acres, we are asking for an exemption from the Percent Reduction LCS for purposes of this study. We will fully implement the 30% reduction on all other irrigated acres.

Pivots - Pivots will be set to apply and 50 percent less on grain. On the grain, the pivot will be shut off for the months of August – October.

Wheelline - Reduced set times. We intend to reduce our two daily wheelline set times from approximately 11 hours to 8 hours. Simply by operating wheellines three hours less each day, we expect to save 30% over historical practices on all wheelline acreage. We intend to maintain a written irrigation log detailing wheelline run times and will present that log to the Cooperating Entity upon request.

Corners - The 5 acres in the grain field corner is reduced by 50% and turned off August – October.

Metering- We are requesting a waiver from metering. Currently our system will not allow for a meter. JW Kerns Inc. stated the saddle flow meter requires 7 feet of straight pipe, which we do not have. Another option is to bury the meter underground on the mainline. However, according to JW Kerns Inc., the meter

cannot withstand being in water. Our ranch has groundwater close to the surface nearly 8 months of the year which would destroy the meter. For us to install the saddle meter, we would need to reconstruct the mainlines and well manifold. We cannot dig a mainline or around the pump area in the winter, spring, or summer due to high ground water level. Ground water would fill the trenches with water before any work could be accomplished. We have submitted a funding application with NRCS for system improvements in March of 2024, but as of this date, have not been funded.

Recording & Reporting- We can use the pivot's panel to document how many inches are applied to the pivot-north and pasture pivot fields. We request a waiver for the wheel line fields (Lane & Marie's). I can document which days and for how long the pump runs on those fields. Once we get the data from Farm Bureau and Fish and Wildlife, we can share that information.

Crop ET's for Alfalfa & Pasture - Alfalfa's average ET for Scott Valley is 37 minus soil moisture storage of 8 inches minus in season rainfall of 3 inches which equals the net irrigation of 26. Gross irrigation 26 divided by our irrigation efficiency using wheel lines of .65 which equals a seasonal water need of 40 inches. Pasture's average ET for Scott Valley is 40 divided by our irrigation efficiency using a pivot is .75 minus 75% of the average rainfall which equals 44 inches of total irrigation water needed. By participating in the study, we hope to get updated information on Crop ET's and ground moisture information.

Resources used for calculating Crop ET's: Alfalfa Water Use in the Scott Valley by Steve Orloff, Thomas Harter, Rick Snyder and Blaine Hanson UC Cooperative Extension Siskiyou County and LAWR UC Davis .

Calculating Baseline Irrigation Application Amounts for Scott Valley Irrigated Pasture Scott Valley Agriculture Water Alliance 4/13/24 Sources: 1. California Water Exchange Center. Department of Water Resources. Monthly average precipitation at Fort Jones, CA. Dam Profile for (ca.gov) 2. Orloff, S. et al. UC Cooperative Extension Siskiyou County and LAWR UC Davis. Alfalfa Water Use in the Scott Valley: Resolving the Discrepancy Between Theory and Practice. 3. University of California Agriculture and Natural Resources. Drought Tip: Field Irrigation Water Management in a Nutshell. September 2019. 4. Zaccaria, Daniele, PhD. Agriculture Water Management Specialist, UC Davis. Personal communication, 4/12/24. Daniele Zaccaria, PhD contact information dzaccaria@ucdavis.edu or 530-752-6695.

According to both of the above scientific studies show alfalfa and pasture need significantly more water than what the State Water Board has guessed. Each of these undertakings is at significant cost to us as a small family hay and livestock producer, both in actual costs and in reduced pasture production due to insufficient water. When grazing pastures do not receive reasonably adequate irrigation throughout the normal irrigation

season, which is a consequence of this plan, especially in corner acreage, (i) grazing opportunity is significantly reduced, (ii) our grazing season becomes shorter, (iii) additional supplemental fall/winter feed forage must be purchased at forage prices that are at historically highs this year and (iv) permanent plant damage and may likely occur and future productivity of pastures may be impaired and invasive weeds will become more prolific.

Please note that this plan is offered in good faith in connection with the 2025 irrigation season only. All rights, claims and defenses with regard to the matters described herein are hereby expressly reserved. Moreover, and as this plan is offered voluntarily (without any current legal obligation to undertake the matters described herein), should any governmental or NGO funds later become available for any forbearance or improvement efforts to which Mark & Shelene Johnson would otherwise be entitled, nothing herein shall be construed to limit the availability of such funds to Mark & Shelene Johnson provided that we materially perform the 2025 undertakings described herein. Water saved under this proposal will not be transferred to parcels not included under the LCS and we will not knowingly or intentionally otherwise take actions outside of the LCS that diminish, in any material way, the overall thirty percent reduction established by this proposal.

We contracted for staff from Scott River Water Trust to act as our Cooperative Entity.

In an effort to minimize any liability claims, we would like to request that the Cooperating Entity or any member of the State Water Resource Control Board be accompanied by a representative from the Mark & Shelene Johnson ranch if they need to access the ranch property to observe our LCS practices.

Please advise as to your decision on the acceptability of this plan in lieu of regulatory curtailment as contemplated by 23 CCR §§ 875 and thank you for your consideration in this matter.

Please feel free to contact me with any questions.

Regards,

Mark & Shelene Johnson

Siskiyou RCD- LCS Water Use Reduction Calculations

Prepared for: Mark & Shelene Johnson

Irrigation reduction by field:

Field	Acreage	A/F Base	A/F Reduction	Reduction %
Pivot - North	22.80	83.6	56.1	67.0%
Lane	10.40	43.3	14.6	33.8%
Marie's	18.85	78.5	26.5	33.8%
pasture - pivot	18.10	72.4	21.7	30.0%
pasture - kline	12.00	48.0	14.4	30.0%
corners	10.00	36.7	18.3	49.9%

Farm summary	Annual	April	May	June	July	August	Sept	Oct
	47.0%	45.7%	36.0%	36.0%	36.0%	51.1%	51.1%	51.1%

Notes: **Do not change any numbers in the yellow areas. These are all calculated from other numbers.
**In the light yellow area, the applied will be calculated based on the entered reduction percentage.
**If a crop cycle that is different than the base year is used (say alfalfa to grain, or cutting off irrigation early)
then leave the % reduction blank and put new monthly applied inches into the light yellow area.
**This change is alters the spreadsheet function. To change back to % reduction for that line
you have to copy paste any of the other light yellow cells into the changed cells.............

Base Year 2020				Annual Applied (inches)	Monthly Applied Water 2020 (Inches)							Base A/F Applied	Reduction Method	% Reduction	Annual Applied (inches)	Monthly Applied Water 2025 (Inches)							Annual A/F Applied	A/F Applied							Annual reduction (AF)	Annual Reduction %
Field name	Acreage	Crop	Irrigation Method		A	M	J	J	A	S	O					A	M	J	J	A	S	O		A	M	J	J	A	S	O		
Pivot - North	22.8	alfalfa	pivot	44	6	7	8	8	7	5	3	83.6		0.0%										11.4	13.3	15.2	15.2	13.3	9.5	5.7		
2025	22.8	grain	pivot	44	6	7	8	8	7	5	3	83.6	crop rotation	50.0%	14.5	3	4	4	4	0	0	0	27.6	5.7	6.7	7.6	7.6	0.0	0.0	0.0	56.1	67.0%
2022				44	6	7	8	8	7	5	3	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				44	6	7	8	8	7	5	3	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				44	6	7	8	8	7	5	3	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Field summary	22.8			44								83.6											27.6	50.0%	50.0%	50.0%	50.0%	100.0%	100.0%	100.0%	56.1	67.0%
Enter base year information on first line. Enter acreages, crop and method for 2025													Enter reduction method and percentage if applicable			If reduction method is not percentage across the season change these numbers																
Field name	Acreage	Crop	Irrigation Method		A	M	J	J	A	S	O					A	M	J	J	A	S	O		A	M	J	J	A	S	O		
Lane	10.4	alfalfa	wheel line	50	7	8	8	8	8	7	4	43.3		0.0%										6.1	6.9	6.9	6.9	6.9	6.1	3.5		
2025	10.4	alfalfa	wheel line	50	7	8	8	8	8	7	4	43.3	reduce set time	30.0%	33.1	3	6	6	6	6	5	3	28.7	2.6	4.9	4.9	4.9	4.9	4.2	2.4	14.6	33.8%
2022				50	7	8	8	8	8	7	4	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				50	7	8	8	8	8	7	4	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				50	7	8	8	8	8	7	4	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Field summary				50								43.3											28.7	57.1%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	14.6	33.8%
Enter base year information on first line. Enter acreages, crop and method for 2025													Enter reduction method and percentage if applicable			If reduction method is not percentage across the season change these numbers																
Field name	Acreage	Crop	Irrigation Method		A	M	J	J	A	S	O					A	M	J	J	A	S	O		A	M	J	J	A	S	O		
Marie's	18.85	alfalfa	wheel line	50	7	8	8	8	8	7	4	78.5		0.0%										11.0	12.6	12.6	12.6	12.6	11.0	6.3		
2025	18.85	alfalfa	wheel line	50	7	8	8	8	8	7	4	78.5	reduce set time	30.0%	33.1	3	6	6	6	6	5	3	52.0	4.7	8.8	8.8	8.8	8.8	7.7	4.4	26.5	33.8%
2022				50	7	8	8	8	8	7	4	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				50	7	8	8	8	8	7	4	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				50	7	8	8	8	8	7	4	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Field summary	18.85			50								78.5											52.0	57.1%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	26.5	33.8%
Enter base year information on first line. Enter acreages, crop and method for 2025													Enter reduction method and percentage if applicable			If reduction method is not percentage across the season change these numbers																
Field name	Acreage	Crop	Irrigation Method		A	M	J	J	A	S	O					A	M	J	J	A	S	O		A	M	J	J	A	S	O		
pasture - pivot	18.1	pasture	pivot	48	7	7	7	7	7	7	6	72.4		0.0%										10.6	10.6	10.6	10.6	10.6	10.6	9.1		
2025	18.1	pasture	pivot	48	7	7	7	7	7	7	6	72.4	reduce set time	30.0%	33.6	5	5	5	5	5	5	4	50.7	7.4	7.4	7.4	7.4	7.4	7.4	6.3	21.7	30.0%
2022				48	7	7	7	7	7	7	6	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				48	7	7	7	7	7	7	6	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				48	7	7	7	7	7	7	6	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Field summary	18.1			48								72.4											50.7	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	21.7	30.0%
Enter base year information on first line. Enter acreages, crop and method for 2025													Enter reduction method and percentage if applicable			If reduction method is not percentage across the season change these numbers																
Field name	Acreage	Crop	Irrigation Method		A	M	J	J	A	S	O					A	M	J	J	A	S	O		A	M	J	J	A	S	O		
pasture - kline	12	pasture	kline	48	7	7	7	7	7	7	6	48.0		0.0%										7.0	7.0	7.0	7.0	7.0	7.0	6.0		
2025	12	pasture	kline	48	7	7	7	7	7	7	6	48.0	reduce set time	30.0%	33.6	5	5	5	5	5	5	4	33.6	4.9	4.9	4.9	4.9	4.9	4.9	4.2	14.4	30.0%
2022				48	7	7	7	7	7	7	6	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				48	7	7	7	7	7	7	6	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				48	7	7	7	7	7	7	6	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Field summary	12			48								48.0											33.6	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	14.4	30.0%
Enter base year information on first line. Enter acreages, crop and method for 2025													Enter reduction method and percentage if applicable			If reduction method is not percentage across the season change these numbers																
Field name	Acreage	Crop	Irrigation Method		A	M	J	J	A	S	O					A	M	J	J	A	S	O		A	M	J	J	A	S	O		
corners	10	alfalfa	pivot	44	6	7	8	8	7	5	3	36.7		0.0%										5.0	5.8	6.7	6.7	5.8	4.2	2.5		
2025	5	grain	pivot	44	6	7	8	8	7	5	3	18.3	crop rotation	50.0%	14.5	3	4	4	4	0	0	0	6.0	1.3	1.5	1.7	1.7	0.0	0.0	0.0	12.3	67.0%
2025	5	pasture	pivot	44	6	7	8	8	7	5	3	18.3	reduce set time	30.0%	29.6	3	5	6	6	5	4	2	12.3	1.3	2.0	2.3	2.3	2.0	1.5	0.9	6.0	32.7%
2022				44	6	7	8	8	7	5	3	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
2022				44	6	7	8	8	7	5	3	0.0			0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Field summary	10			44								36.7											18.4	50.0%	40.0%	40.0%	40.0%	65.0%	65.0%	65.0%	18.3	49.9%
Enter base year information on first line. Enter acreages, crop and method for 2025													Enter reduction method and percentage if applicable			If reduction method is not percentage across the season change these numbers																

Scott River Water Trust

P.O. Box 591 ~ Etna, CA 96027
530-643-2395 scottwatertrust@gmail.com

Month, Day, Year
4/14/2025

APPLICATION TO SCOTT RIVER WATER TRUST AS COORDINATING ENTITY for the SCOTT VALLEY GROUNDWATER REDUCTION LOCAL COOPERATIVE SOLUTION

The following request is being submitted pursuant to Section 875, , subdivision (f)(4)(C)[Scott River] of the Scott-Shasta Drought Emergency Regulation of the State Water Resources Control Board (SWB). The purpose of this Local Cooperative Solution (LCS) is to document the applicant's proposed reduction in use of overlying or adjudicated groundwater use by a certain amount over the entire irrigation season.

Applicant's Name: Mark Johnson
Address: [redacted]
Phone: [redacted] E-mail [redacted]
Owner of property (if different):
Leaseholder of property (if different):
Other Contact Info: Shelly Johnson

Total irrigated acres to be included in this agreement: 92.15

▶Attach curtailment plan and map of properties to be included in plan
I agree to pay SRWT for its time to help prepare my water reduction plan at the rate of $75/hr. When your LCS plan is complete, a Binding Agreement will need to be signed with the SRWT as your designated Coordinating Entity. SRWT will need to verify that the plan's actions are being met.

Shelly Johnson
Shelly Johnson (Apr 14, 2025 14:04 PDT)
▶Applicant signature

4/14/2025
Date:

Christopher Voigt
Scott River Water Trust signature

Date: 4/14/2025

SRWT_2025_LCS_eSignature

Final Audit Report 2025-04-14

Created:	2025-04-14
By:	Christopher Voigt (chrisb.voigt@gmail.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAwQCJwtUdw55Y5-OPHCD-FjBK395TjJit

"SRWT_2025_LCS_eSignature" History

Document created by Christopher Voigt (chrisb.voigt@gmail.com)
2025-04-14 - 8:58:51 PM GMT

Document emailed to Shelly Johnson [redacted] for signature
2025-04-14 - 8:58:55 PM GMT

Email viewed by Shelly Johnson [redacted]
2025-04-14 - 9:00:59 PM GMT

Document e-signed by Shelly Johnson [redacted]
Signature Date: 2025-04-14 - 9:04:09 PM GMT - Time Source: server

Agreement completed.
2025-04-14 - 9:04:09 PM GMT

Wright, Rachel @Waterboards

From: Shelly Johnson [redacted]
Sent: Wednesday, May 28, 2025 4:50 PM
To: WB-DWR-ScottShastaFlows
Subject: Re: 2025 LCS - Additional Information Needed

Categories: Rachel Wright

The corners do not receive water.
Thank you for the spreadsheet.

On Mon, May 12, 2025 at 2:25 PM WB-DWR-ScottShastaFlows <DWR-ScottShastaFlows@waterboards.ca.gov> wrote:

> Hi Shelly,
>
> Thanks for getting back to me and answering my questions!
>
> So just to confirm:
>
> 1. The 7 acres that is the corner of the pivot will not be included in the LCS this year?
> 2. I have input the information from your spreadsheet into an example format on the Waterboard website. It looks like the percent reduction should be fine even if the pasture-pivot field was watered as normal without the 30% reduction you have applied (I used the 2022 values you had, on the tab called “pasture-pivot no reduction). Since the pasture-pivot field is part of the ET study and needs to be watered as normal, why is there a reduction for that field portrayed in your spreadsheet for 2025?
> 3. I included the spreadsheet I made for you to look at. The highlighted cells beneath the 2025 portion are the months where the reduction of 30% is needed. Let me know if you look at it and notice I made mistake entering any data.
>
> Thank you,
>
> Rachel

From: Shelly Johnson [redacted]
Sent: Thursday, May 8, 2025 11:35 AM
To: WB-DWR-ScottShastaFlows <DWR-ScottShastaFlows@Waterboards.ca.gov>
Subject: Re: 2025 LCS - Additional Information Needed

Please provide the following items at your earliest convenience:

1. The pivot in the percent reduction spreadsheet is listed as irrigating 22.8 acres of grain, 18.1 acres of pasture, and another 5 acres of pasture (on the corner), equaling 23.1 acres for pasture. It was stated the ET study would cover about 30 acres of pasture irrigated by the pivot. Is there another 7 acres of pasture that should be included? **The corner of the pasture that is under the pivot will not receive any water during the 2025 season.**

2. The pasture fields part of the ET study can be included in the LCS, but the overall percent reduction for the total acreage enrolled in the LCS still needs to reach 30%. So the reduction would have to come more prominently from the other acres/fields enrolled if keeping the 30 pasture acres in the LCS. I see that each field is currently individually reaching at least a 30% reduction (and in many cases, much more), with the pasture portion of the pivot at a 30% reduction as well. If this is going to be watered as normal, please update fields in the ET study to reflect that. If I am interpreting your percent reduction incorrectly, please let me know. **I think we will still be in compliance with the 30% reduction.**

3. The klines were not elaborated on in the narrative document in the acreage explanation or water conservation practices. Could you briefly explain the irrigation reduction method for those acres and how to track water usage? Please provide the following items at your earliest convenience:

Klines – Reduced set times. We intend to reduce our daily kline set times from approximately 11 hours to 9 hours. By operating 2 less hours each day we expect to save 30% over historical practice using hand lines. We intend to maintain a written irrigation log detailing run time.

Question: Does the water board have a spreadsheet available for people to use to calculate their reductions?

Let me know if you need anything else.

Thank you.

Shelly

On Tue, Apr 29, 2025 at 12:00 PM WB-DWR-ScottShastaFlows <DWR-ScottShastaFlows@waterboards.ca.gov> wrote:

Hi Mark and Shelly,

Waterboard staff have started reviewing your proposed 2025 groundwater local cooperative solution. To continue processing your application, we will need some additional information.

Please provide the following items at your earliest convenience:

1. The pivot in the percent reduction spreadsheet is listed as irrigating 22.8 acres of grain, 18.1 acres of pasture, and another 5 acres of pasture (on the corner), equaling 23.1 acres for pasture. It was stated the ET study would cover about 30 acres of pasture irrigated by the pivot. Is there another 7 acres of pasture that should be included?

2. The pasture fields part of the ET study can be included in the LCS, but the overall percent reduction for the total acreage enrolled in the LCS still needs to reach 30%. So the reduction would have to come more prominently from the other acres/fields enrolled if keeping the 30 pasture acres in the LCS. I see that each field is currently individually reaching at least a 30% reduction (and in many cases, much more), with the pasture portion of the pivot at a 30% reduction as well. If this is going to be watered as normal, please update fields in the ET study to reflect that. If I am interpreting your percent reduction incorrectly, please let me know.

3. The klines were not elaborated on in the narrative document in the acreage explanation or water conservation practices. Could you briefly explain the irrigation reduction method for those acres and how to track water usage?

Please let me know if you have any questions.

Thank you,

Rachel

Rachel Wright

Environmental Scientist

Instream Flows Unit

SWRCB Division of Water Rights