Application Form for 2024 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 2024 irrigation season under the Scott River and Shasta River watersheds emergency regulation. A separate application should be submitted for each type of groundwater LCS proposal. **The form and attachments are due by April 15, 2024.**

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 1
  1001 I Street - 14th Floor
  Sacramento, CA 95814

Section 1: Applicant Information

Name	Richard Anstead
Name of Farm, Ranch, or Business	Anstead Land and Livestock
[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: *Richard Anstead* *Date:* 4/13/2024

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 of all required components.
        - Map(s) with each well and field 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 and well location(s).
    - Percent Reduction Groundwater LCS (see Section 9 of application)
        - Description of verifiable water reduction actions that will be implemented.
        - Spreadsheet with monthly pumping volumes for baseline year and current year. Use one row per irrigation method per field.
        - Map(s) with each well and field labeled.
- A description of metering (Section 6 of application) in place for groundwater well extractions and an agreement to record such extractions daily and report monthly to your Coordinating Entity and/or State Water Board.
- Groundwater Well Information (see Section 5 of application) (paper or email submittal accepted).
- List of Fields, Assessor's Parcel Numbers (APNs), and Water Rights (see Section 10 of application) (paper or email submittal).

Section 3: Requirements for All Groundwater LCS Proposals

- **Deadline:** Proposals must be submitted to the State Water Board by April 15, 2024.
- **Implementation:** Proposals must be implemented during the entirety of the irrigation season (including 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 and information on how extractions will be recorded daily and reported monthly to the Deputy Director or Coordinating Entity, as applicable. Please note the Coordinating Entity is required to provide this data to the State Water Board.
    - *Funding for Meters:* The State Water Board has 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:* If a meter is not currently installed and may not be installed prior to the start of the irrigation season, the applicant must provide information that substantiates the applicant's efforts and actions taken to get a meter installed, and a timeline for meter installation.
    - *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 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.

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

☐ I select not to work with a coordinating entity.

Section 5: Groundwater Well Information

Complete the table below or upload an attachment for groundwater wells that are part of the proposed groundwater LCS.

Well Name	Well Coordinates [1]
McNames Well	[redacted]
Peckham Well	

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

Upload Well Information

Section 6: Metering Information

Please describe the metering for all groundwater wells covered by this groundwater LCS. Fill in the box below, upload an attachment, or email a document or spreadsheet with this information.

a. Describe how you will record daily extractions and report monthly pumping volumes. Include a description of all water uses associated with each groundwater well that is part of this groundwater LCS.
For example, "the ranch manager will log meter readings at Well 1 and Well 2 and take a picture of the meters each week. They will note what the water is being used for - Well 1 will irrigate 50 acres of grain on fields A and B, 100 acres of pasture on fields E, G, and Z, and Well 2 will irrigate 75 acres of alfalfa on field Y. The manager will send the logs and photos to the Water Board around the first of each month."

See Attached file "2024 Anstead LCS data collection"

b. For groundwater wells that are NOT currently metered, please describe the time schedule and plan to install meters and efforts to obtain a meter before the initiation of groundwater diversions covered by this groundwater LCS. 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) should be waived. Be sure to include total irrigated acres, distance of the well(s) from surface water, description of why metering is infeasible, if applicable, and any additional information that supports your waiver request.

See Attached file "2024 Anstead LCS data collection"

Upload Attachment

Select the type of groundwater LCS you are applying for and complete the corresponding sections of the application.

- ☐ Best Management Practices Groundwater LCS - Complete sections 7 and 10
- ☐ Graduated Groundwater Cessation Schedule LCS - Complete sections 8 and 10
- ☑ Percent Reduction Groundwater LCS - Complete sections 9 and 10

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. Upload an attachment, 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. Provide a map(s) of each field with labels for well(s), type of best management practice, and field crop type. Upload as an attachment or email. **Upload Map(s)**

4. Certify 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, 2024.

☐ 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). Please note, a yes certification is required for a Groundwater Best Management Practices LCS to be accepted.

   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 provides evidence that irrigated acreage is reduced compared to standard practice on the property (e.g., practice in a similar unregulated year). If applicable, please take crop rotation and number of alfalfa cuttings into account. 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 upload an attachment, write in the box, or email 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.

Upload Attachment

5. Please upload or email a map(s) that identifies which well(s) and field(s) are associated with each cessation date covered by this groundwater LCS.

Upload Map(s)

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 30% throughout the irrigation season (April 1 – October 31) and a monthly reduction of 30% between July 1 through October 31.
- **Shasta River Watershed:** A net groundwater pumping reduction of 15% throughout the irrigation season (March 1 – November 1) and a monthly reduction of 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. 144.5 Acres
- If you are proposing a Percent Reduction Groundwater LCS, attach or email 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.

The plans for the McNames well that runs four wheel lines is to swap to smaller nozzles. This will reduce the amount of applied water during each irrigation set.

The Peckham well runs two different system. The pivot will be ran for shorter amounts of time, applying less water this year than in previous year. We have shortened the run times for the large irrigation sprinklers

Upload Attachment

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

Upload Baseline Pumping

c. Map(s) with each field labelled.

Upload Map(s)

Section 10: List of Fields, APNs, and Water Rights

List the fields associated with this groundwater LCS application, if each property is owned or leased, and the assessor's parcel number (APN) that contains each field. If a field is on multiple parcels, provide the APN that contains the majority of the field. Alternatively, you may also electronically submit a document or spreadsheet with this information. Each field can only have **one (1)** type of groundwater LCS associated with it.

Irrigated Field Name(s) or Number(s)	Is the parcel owned or leased?	Assessor Parcel Number(s)	Water Right(s)	Groundwater LCS Type
Peckham Pivot	Leased	[redacted]	Overlying	Percent Reduction
Peckham Small Pasture	Leased		Overlying	Percent Reduction
McNames Alfalfa Grass	Leased		Overlying	Percent Reduction
McNames New Seeding	Leased		Overlying	Percent Reduction
McNames Pasture Grass	Leased		Overlying	Percent Reduction

Upload Attachment

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 **Submit**
- 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

- Kevin DeLano
  Phone: (916) 319-0631
  Email: Kevin.DeLano@waterboards.ca.gov
- Shahab Araghinejad
  Phone: (916) 319-0975
  Email: shahab.araghinejad@waterboards.ca.gov
- Division of Water Rights – Scott-Shasta Phone Line and Email
  Phone: (916) 327-3113
  Email: 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.

Richard Anstead

Anstead Land and livestock

[redacted]

[redacted]

LCS application metering information

Section 6-a: Description of data collection.

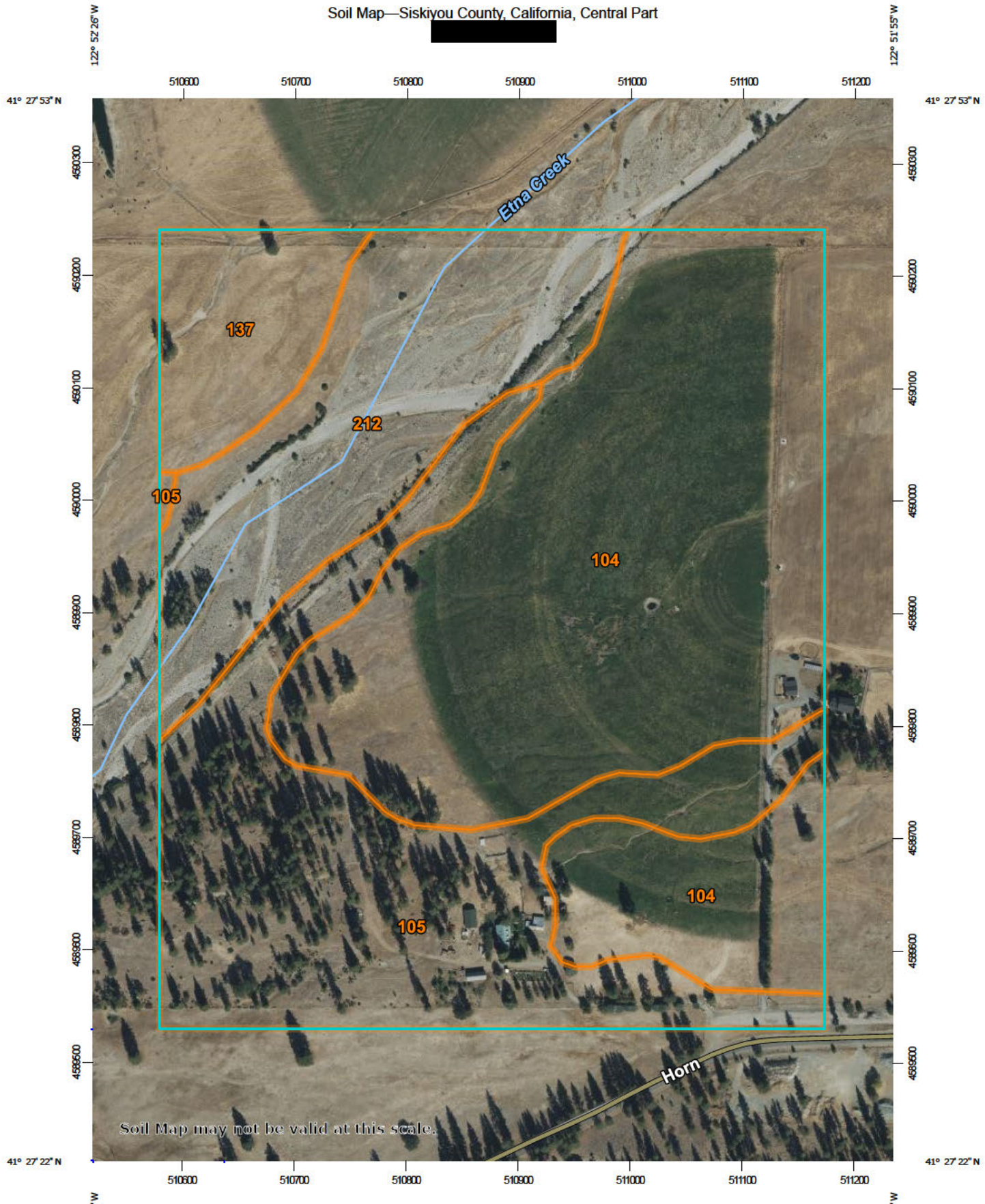
Once meters have been installed, Richard Anstead will log meter readings and take pictures of each meter for the McNames and Peckham Wells at the beginning and ending of each irrigation cycle as well as weekly. The McNames Well irrigates either an established alfalfa grass field, new seeding alfalfa or pasture grass. The Peckham Well only irrigates pasture grass with two different systems a pivot and three large impact sprinklers. It will be noted which fields were irrigated and the total water used. Daily readings seem excessive, if the goal is knowing how much water is applied then recording how much is used during an irrigation cycle will give a more consistent daily average as length of irrigations can vary, leaks can occur or having to pause irrigations in the case of breakdowns or haying operations. I am also not in each field every day depending on other farming commitments or my day job which can take me out of town when irrigation systems are running. They are typically changed by other family members whom I don't want to have to worry about keeping track of water flows.

Section 6-b: Time schedule and plan.

I have talked to an irrigation supply company for feasibility, type and availability of the irrigation meters. They have not gotten back to me at this time. Ideally I would like a meter that includes a separate data logger for each of the wells. Currently I do not see the cost benefit of telemetry. It looks like both locations will need extensive plumbing work done to achieve the correct upstream and downstream requirements for the meters. I have applied for funding with the board for two meters with loggers, self-install or have the irrigation company install depending on cost and work involved.

Soil Map—Siskiyou County, California, Central Part

[redacted]



Map Scale: 1:4,600 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Siskiyou County, California, Central Part
Survey Area Data: Version 16, Aug 28, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 12, 2022—Oct 17, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
104	Atter very gravelly sandy loam, 0 to 5 percent slopes	49.8	47.6%
105	Atter very cobbly sandy loam, 0 to 5 percent slopes	29.4	28.1%
137	Diyou loam, drained	7.0	6.7%
212	Riverwash	18.5	17.7%
Totals for Area of Interest		**104.7**	**100.0%**

Anstead Land and Livestock LCS plan

Peckham Ranch											
2023 Pivot Applied	Acres										The applied in/acre is higher than your baseline of 30 in/acre. The reason for this is that the soil in this area is very gravely and has a lower water holding capacity and requires more water applied to maintain adequate soil moisture. I have attached soil maps from the NRCS showing the gravel in this area. My understanding of these maps and soil types comes from my many years as an agronomist, Pest Control Advisor (PCA) and a Certified Crop Advisor (CCA) in northern California.
Pasture Grass	40										
		April	May	June	July	August	September	October	Total		
Total Acre Feet		13.33	20	20	20	20	20	6.66	119.99	acre feet	
In/acre		4.00	6.00	6.00	6.00	6.00	6.00	2.00	36.00	in/acre	

2024 Pivot Proposed											
	Acres	April	May	June	July	August	September	October			The plan is to reduce the amount of water applied during each pass to meet the goals of this plan. We also have the ability to switch from 350 gpm to 270 gpm as the water table around the well drops and efficiency is reduced. This happened in August of 2023 last year.
Pasture Grass	40										
Total Acre Feet		2.67	13.33	20.00	13.33	13.33	13.33	6.66	76.00	acre feet	
In/acre		0.80	4.00	6.00	4.00	4.00	4.00	2	24.8	in/acre	
					33.33%	33.33%	33.33%	0.00%	31%	% reduction	

2023 Large impact sprinklers											
	acres	April	May	June	July	August	September		Total		These are three Nelson 100 Series sprinklers with .7 in taper nozzles at 60 psi applying 110 gpm for two three hour sets per irrigation. The well has a timer to shut off the pump after a preset amount of time.
Pasture Grass	4.50										
Hours		6.00	12.00	15.00	30.00	18.00	9.00	0.00	90.00	hours	
Total acre feet		0.55	1.09	1.37	2.73	1.64	0.82	0.00	8.20	acre feet	
in/acre		1.46	2.92	3.65	7.29	4.37	2.19	0.00	21.87	in/acre	

2024 Large impact sprinklers	acres	April	May	June	July	August	September	October	Total		
Pasture Grass	4.50										We plan to reduce the amount of time each set of three guns is running. From 3 hours per set to two hours per set and it takes two sets to complete an irrigation cycle.
Hours		4.00	8.00	10.00	20.00	12.00	6.00	0.00	60.00	hours	
Total acre feet		0.36	0.73	0.91	1.82	1.09	0.55	0.00	5.47	acre feet	
in/acre		0.97	1.94	2.43	4.86	2.92	1.46	0.00	14.58	in/acre	
					33.33%	33.33%	33.33%	0.00%	33.33%	% reduction	

McNames Ranch- Tim McNames											
2023 Wheel lines Applied											
Alfalfa Grass	Acres	April	May	June	July	August	September		Yearly Total		The alfalfa and new seeding have been irrigated by wheel line with 70 Sprinklers, 3/16" Nozzles at 60 psi, 7 days per pass, 11 hour sets. The grass is irrigated by wheel line with mixed nozzle sizes, 64 sprinklers, 60 psi for 11 hour sets. Approximately 4 day sets.
Total acre feet	60	15.7	31.4	31.4	31.4	31.4	15.7	0.0	156.8	acre feet	
in/acre		3.1	6.3	6.3	6.3	6.3	3.1	0.0	31.4	in/acre	
Pasture Grass	40	11.8	11.8	23.6	23.6	23.6	11.8	11.8	118.1	acre feet	
In/acre		3.5	3.5	7.1	7.1	7.1	3.5	3.5	35.4	In/acre	

2024 Wheel Lines Proposed											
Alfalfa Grass	Acres	April	May	June	July	August	September		Yearly Total		The reduction has been based on the 33 in/acre for alfalfa and 30 in/acre for the pasture. This tends to be more loamy soil and retains its soil moisture well. The new seeding will hopefully see more rain in April and will not need much water to get it germinated. The system has been ran with mixed nozzle sizes. We have switched to 11/64" on all sprinklers. At 60 psi this equates to a flow rate of 6.6 gpm per the rainbird manual.
Total acre feet	30	6.05	6.05	12.11	12.11	12.11	6.05	0	54.5	acre feet	
in/acre		2.4	2.4	4.8	4.8	4.8	2.4	0.0	21.8	in/acre	
					22.8%	22.8%	22.8%	0.00%	38.50%	%reduction	
Alfalfa New Seeding	30										
Total acre feet		3.5	6.05	12.11	12.11	12.11	6.05	0	51.9	acre feet	
in/acre		1.4	2.4	4.8	4.8	4.8	2.4	0.0	20.8	in/acre	
					22.77%	22.77%	22.83%	0.00%	33.76%	%reduction	
Pasture Grass											
Total acre feet	40	6.33	6.33	12.65	12.65	12.65	6.33	6.33	63.3	acre feet	
In/acre		1.9	1.9	3.8	3.8	3.8	1.9	1.9	19.0	In/acre	
					46.49%	46.49%	46.36%	46.36%	46.44%	%reduction	

4.00	8.00	10.00	23.00	12.00	6.00	0.00	63.00	hours	
0.36	0.73	0.91	2.10	1.09	0.55	0.00	5.74	acre feet	5.74
0.97	1.94	2.43	5.59	2.92	1.46	0.00	15.31	in/acre	15.3

2 4 5 10 6 3 0

Scott River Water Trust

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

Month, Day, Year
4/12/2024

Binding Agreement

Contractor Contact Information:

Business:	Scott River Water Trust
Contact Person:	Chris Voigt
Address:	9933 South State Highway 3, Callahan CA
Phone:	(916) 396-0131
Email:	chrisb.voigt@gmail.com

Landowner Contact Information:

Business:	Anstead Land and Livestock
Contact Person:	Richard Anstead
Address:	[redacted]
Phone:	
Email:	

Background

On December 19, 2023, the State Water Board adopted a new emergency regulation for the Scott and Shasta River Watersheds. The Office of Administrative Law approved the emergency regulation on February 1, 2024 and is in effect for one year, unless re-adopted or rescinded. Under the 2021 drought emergency regulation instated by the State Water Resources Control Board (SWRCB) that established drought emergency minimum flows in the Scott River, a Local Cooperative Solution (LCS) may be proposed by individuals or groups to submit by petition to the Deputy Director of the SWRCB as an alternative means of reducing water use to meet or preserve drought emergency minimum flows and provide fishery benefits, in lieu of curtailment. This binding agreement between the (Landowner) Scott River Water Trust (SRWT) will monitor the SRWCB approved LCS to achieve 1) a net reduction of water use of 30 percent throughout the irrigation season; and 2) a monthly reduction of at least 30 percent in the July through October 31 period, as compared to 2020, 2021, 2022 or 2023.

Recitals

1. *Local cooperative solutions by individuals or groups may be proposed by petition to the Deputy Director as an alternative means of reducing water use to meet or preserve drought emergency minimum flows, or to provide other fishery benefits (such as cold-water refugia, localized fish passage,or redd protection), in lieu of curtailment as described in this section.*

    (A) Petitions to implement local cooperative solutions that coordinate diversions, share water, strategically manage groundwater and/or surface water for fisheries benefits, reduce annual water use, or engage in similar activities may be submitted to the Deputy Director at any time, except as noted in subsection (f)(4)(D)(ii).

    (G) A coordinating entity for the purposes of this section shall refer to an entity which possesses the expertise and ability to evaluate and require performance of the commitments made in a local cooperative solution, and which commits that:

        (i) Evaluation of local cooperative solution proposals and inspections shall be conducted by representatives who lack a financial or close personal interest in the outcome, and

        (ii) Information collected on compliance with local cooperative solutions is provided to the State Water Board monthly and upon request. The entity shall undertake data collection (including metering data) and inspections, either by itself or in coordination with State Water Board staff, sufficient to ensure implementation of local cooperative solutions, including inspection or data collection targeted within two weeks of completion of commitments to cease pumping as of a date certain.

2. *For overlying or adjudicated groundwater diversions for irrigated agriculture described under in section 875.5, subdivision (a)(1)(A)(ix) [Scott River] or section 875.5, subdivision (b)(1)(C) [Shasta River] the Deputy Director may approve a groundwater basin-wide, groundwater-sub-basin-wide, or any number of individual local cooperative solutions where:*

    (i) The proposal may be based on a binding agreement made with a coordinating entity with primary responsibility to verify implementation of the local cooperative solution.

    (ii) For individual proposals, the proposal must be submitted no later than April 15 and must be implemented during the entirety of the irrigation season (including during pendency of approval), unless the proponent withdraws.

    (iii) The proposal includes a description of metering in place for groundwater well extractions, and a proposal to meter and record such extractions daily and report monthly to the Deputy Director or the coordinating entity, as applicable, except as described below. The State Water Board has funding and technical support available to

support some amount of metering, and those interested in such assistance are encouraged to promptly contact the State Water Board.

3. *For percent-based reduction in pumping local cooperative solutions:*
   a. *For the Scott River: The proposal provides at least:*

      (i) A net reduction of water use of 30 percent throughout the irrigation season (April 1 – October 31); and
      (ii) A monthly reduction of 30 percent in the July through October time period.

   b. *The relevant water use reduction shall generally be based on a comparison to the 2020, 2021, 2022, or 2023 irrigation season, and may be demonstrated by evidence that provides a reasonable assurance that the change in farming practice or other action results in at least the relevant proportionate reduction in water use. Such evidence may include but is not limited to: pumping reports; actions that will be taken to reduce water use; estimation of water saved from conservation measures or changes in irrigation or planting decisions; and electric bills. However, if evidence for the amount of water applied for the 2020, 2021, 2022, or 2023 irrigation seasons indicates a base rate of applied water that is higher than 33 inches per year for alfalfa, 14 inches per year for grain, or 30 inches per year for pasture, then the base rate of applied water shall be the aforementioned values unless the proponent makes an additional showing that a higher base rate number is an appropriate comparison in light of relevant information that can include but is not limited to multi-year practices, soil type, and irrigation methods.*

Proposed Local Cooperative Solution: (*Specific action plan to be completed by landowner, see attached LCS application form and/or specific landowner curtailment plan)*

Binding Agreement Terms
The Landowner is required to adhere to the LCS, as approved by SWRCB. The Landowner has requested that SRWT serve as the coordinating entity. As such, both parties agree to the following:

- For the duration of this binding agreement where SRWT is the coordinating entity, the Landowner shall give SRWT the right to reasonably access the included parcels for the limited purpose of verifying execution of the LCS. Any individual not directly employed or contracted by SRWT shall provide pre-notification to, and shall obtain approval by the Landowner before accessing the property,

- SRWT will strive to notify the Landowner a day in advance of visiting the parcels and shall provide the Landowner or designee the ability to participate in monitoring activities,

- It is anticipated that SRWT representatives will visit the property approximately twice per month to monitor the approved LCS, unless inadequacies are discovered, in which case additional field visits will occur until inadequacies are rectified. A monitoring inspection may include verification of any or all of the actions described in the conservation plan and may include inspection checklist/notes/reports and photo verification,

- SRWT will submit the information regarding the verification materials and actions described in this agreement, and conservation plan incorporated by reference, to the State Water Board upon request, for the purposes of verifying compliance with the LCS,

- This binding agreement is not intended to preclude, harm, or otherwise interfere with the landowner's ability to secure any funding to mitigate the financial impacts imposed by the emergency regulation or proposed conservation practices. SRWT supports the use of funding programs to ameliorate the costs of implementing the conservation practices described in the proposed conservation plan: planning and cooperation under a voluntary LCS should not undermine the ability to receive such funding,

- This binding agreement may be terminated by either party at any time. Both parties agree to take reasonable measures to resolve any concerns related to the performance of the LCS, negative interpersonal interaction, or any unforeseen circumstance prior to invoking termination,

- As the irrigation season unfolds, there may be reason to change the terms of the LCS or this binding agreement with respect to its implementation and verification. Any such changes to the LCS or service agreement will need to be agreed upon by the Landowner and SRWCB. If a Landowner requests SRWT assistance with an updated LCS, the SRWT and Landowner will enter into a new Binding Agreement and,

Payment
In consideration for the services to be performed by SRWT, the Landowner agrees to pay SRWT at the rate of $75.00 per hour for initial consultation and $75.00 per hour for all services rendered after signing of the binding agreement.

Expenses
The Landowner will reimburse SRWT for expenses that are attributable directly to work performed under this Agreement. Any expenses incurred will be approved by the Landowner beforehand. SRWT will submit an itemized statement of Contractor's expenses attached with invoicing.

Terms of Payment
Upon completion of SRWT services under this binding agreement, SRWT will submit an invoice. The Landowner will pay SRWT the compensation described within 30 days of receiving SRWT's invoice.

Term of Agreement
This agreement will become effective when signed by both parties and will terminate on:

- November 1, 2024, or
- The date a party terminates the binding agreement.
- Monitoring information will be collected by the SRWT and shared with State Water Board as a field report in accordance with their reporting schedule or upon request
- SRWT is not authorized to and will not distribute data or other information regarding work done under this contract to any third party without previous written approval by the Landowner
- Landowner agrees that water saved under the LCS will not be transferred to parcels not included under the LCS, and Landowner will not knowingly or intentionally otherwise take actions outside of the LCS that diminish, in any material way, the overall thirty percent reduction establish by the actions described ion the LCS

Signatures

Christopher Voigt
SRWT Representative

Richard Anstead
Landowner

Signature: Richard Anstead
Email: ranstead2@yahoo.com