



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	John Hurlimann
Name of Farm, Ranch, or Business	Hurlimann Ranch, LLC
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: *John Hurlimann*

Date: 15-Apr-24

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](#).

- | | |
|--|--|
| <input type="checkbox"/> California Department of Fish & Wildlife
Contact: Crystal Robinson
(530) 340-0767
crystal.robinson@wildlife.ca.gov | <input type="checkbox"/> Shasta Valley Resource Conservation District
Contact: Rod Dowse
(530) 598-1253
rdowse@svrccd.org |
| <input type="checkbox"/> Siskiyou Resource Conservation District
Contact: Evan Senf
(530) 643-1585
evan@siskiyourcd.com | <input checked="" type="checkbox"/> Scott River Water Trust
Contact: Chris Voigt
(916) 396-0131
chrisb.voigt@gmail.com |
| | <input type="checkbox"/> 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
see attached	see attached

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



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."

- 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.

Waiver request. See attached.

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.

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.

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.
- 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.

See attached.

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
See attached				

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 
- 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.



April 14, 2024

▶ **State Water Resources Control Board**

1001 I St.
Sacramento, CA 95814

2024 Local Cooperative Solution (LCS) Proposal

Deputy Director

This request is being submitted as a local cooperative solution (LCS) proposed alternative to the 2024 Scott River watershed curtailment drought emergency regulation,

BACKGROUND

The 2005 Hurlimann Family Limited Partnership (FLP) is the land owner of approximately 291 irrigated acres within the Scott Valley watershed. The operation was started in 1929 and is both a cattle ranch and farming entity which is operated by the Hurlimann Ranch, Limited Liability Corporation (LLC). The Hurlimann Ranch LLC leases the land from the 2005 Hurlimann Ranch FLP for the cattle and farming operation. It has remained in continuous operation by the Hurlimann family since its founding in 1929.

The Hurlimann Ranch LLC farms approximately 191 acres to grow alfalfa and small grain crops. Alfalfa and grain crops are rotated on a typical six-to-eight-year schedule depending on the health of the crop. The remaining 100 irrigated acres are used as seasonal pasture to support the cattle operation. Each of the fields and the current irrigation methods will be described in detail as well as the proposed conservation methods to achieve at least a 30% reduction as compared to the 2020 and 2023 irrigation years.

Pending approval, the Scott River Water Trust will be the Coordinating Entity to oversee the proposed LCS conservation plan throughout the 2024 irrigation season.

Hurlimann Ranch LLC applied for two NRCS grants to replace wheel line irrigation systems with pivot irrigation systems. NRCS notified Hurlimann Ranch in March of 2024 **both projects have been approved**. Installation of the new systems is expected in Fall/Winter of 2024 for the 2025 irrigation season. These systems will greatly improve watering efficiency leveraging the LEPA application system.

With the pending installation of the pivot systems for the 2025 growing season, a waiver for the flow meter installation for the 2024 season is required as meters are expected to be installed as of the 2025 season.

FIELD DESCRIPTON

Field 1: (Coord: 41.516657, -122.843557) Field 1 is 62 acres with Overlying (OL) and Adjudicated (ADJ) water rights. The field crop is alfalfa and small grain rotation. Alfalfa is typically three crops and small grain hay is one crop. The field is typically irrigated by four ¼ mile wheel lines. The small grain hay crop is irrigated from April 1 to July 15 on 11-hour sets. Irrigation ceases during the two-week cutting (harvesting) time between alfalfa crops. Irrigation ceases one week prior to the grain hay cutting and does not resume for remainder of the irrigation season. The wheel lines typically run at 60psi pressure with approximately 28 sprinkler heads per line. Sprinkler heads use 7/32 nozzles.

Total approximate baseline water usage on Field 1 per month is:

	Field 1 (62 Acres)						
	April	May	June	July	Aug	Sept	Oct
Acre Ft	149.72	134.75	124.77	124.77	149.72	74.86	0.00
Inches	28.98	26.08	24.15	24.15	28.98	14.49	0.00

Field 2: (Coord: 41.516589, -122.848104) Field 2 is 57 acres with Overlying (OL) and Adjudicated (ADJ) water rights. The field crop is alfalfa and small grain rotation. Alfalfa is typically three crops and small grain hay is one crop. The field is typically irrigated by four ¼ mile wheel lines. An additional fifth wheel line of 14 sprinkler heads is used to irrigate a 3-acre triangle section as noted by the gray shaded area in the picture to the right. Alfalfa is irrigated from April 1 to Sept 15 on 11-hour sets. The small grain hay crop is irrigated from April 1 to July 15 on 11-hour sets. Irrigation ceases during the two-week cutting (harvesting) time between alfalfa crops. Irrigation ceases one week prior to the grain hay cutting and does not resume for remainder of the irrigation season. The wheel lines typically run at 60psi pressure with approximately 28 sprinkler heads per line. Sprinkler heads use 7/32 nozzles.

Total approximate baseline water usage on Field 2 per month is:

	Field 2 (57 Acres)						
	April	May	June	July	Aug	Sept	Oct
Acre Ft	187.15	168.44	155.96	155.96	187.15	93.58	0.00
Inches	39.40	35.46	32.83	32.83	39.40	19.70	0.00

Baseline amounts may exceed 33 inches per month during certain months. Appropriate baseline irrigation amounts for Scott Valley are based on guidance from UC Davis Ag Water Management Specialist Daniele Zaccaria, PhD. (Contact: dzaccaria@ucdavis.edu or 530-752-6695). UCCE found **37 inches** was the average ET rate for alfalfa in a review of 8 fields in Scott/Shasta (2007-2010).

Field 3: (Coord: 41.513928, -122.852651) Field 3 is 21 acres with Overlying (OL) and Adjudicated (ADJ) water rights. The field crop is alfalfa and small grain rotation. Alfalfa is typically three crops and small grain hay is one crop. The field is typically irrigated by one ¼ mile wheel lines. Alfalfa is irrigated from April 1 to Sept 15 on 11-hour sets. The small grain hay crop is irrigated from April 1 to July 15 on 11-hour sets. Irrigation ceases during the two-week cutting (harvesting) time between alfalfa crops. Irrigation ceases one week prior to the grain hay cutting and does not resume for remainder of the irrigation season. The wheel lines typically run at 60psi pressure with approximately 34 sprinkler heads. Sprinkler heads use 7/32 nozzles. Total approximate baseline water usage on Field 3 per month is:

	Field 3 (21 Acres)						
	April	May	June	July	Aug	Sept	Oct
Acre Ft	45.45	40.91	30.30	37.88	45.45	22.73	0.00
Inches	25.97	23.38	17.31	21.64	25.97	12.99	0.00

Field 4: (Coord: 41.513928, -122.852651) Field 4 is 51 acres with Overlying (OL) and Adjudicated (ADJ) water rights. The field crop is alfalfa and small grain rotation. Alfalfa is typically three crops and small grain hay is one crop. The field is typically irrigated by four ¼ mile wheel lines. Alfalfa is irrigated from April 1 to Sept 15 on 11-hour sets. The small grain hay crop is irrigated from April 1 to July 15 on 11-hour sets. Irrigation ceases during the two-week cutting (harvesting) time between alfalfa crops. Irrigation ceases one week prior to the grain hay cutting and does not resume for remainder of the irrigation season. The wheel lines typically run at 60psi pressure with approximately 32 sprinkler heads per line. Sprinkler heads use 7/32 nozzles. Total approximate baseline water usage on Field 4 per month is:

	Field 4 (51 Acres)						
	April	May	June	July	Aug	Sept	Oct
Acre Ft	171.11	154.00	142.59	142.59	171.11	85.56	0.00
Inches	40.26	36.24	33.55	33.55	40.26	20.13	0.00

Baseline amounts may be higher than 33 inches per month during certain months. Appropriate baseline irrigation amounts for Scott Valley are based on guidance from UC Davis Ag Water Management Specialist Daniele Zaccaria, PhD. (Contact: dzaccaria@ucdavis.edu or 530-752-6695). UCCE found **37 inches** was the average ET rate in a review of 8 fields in Scott/Shasta (2007-2010).

Field 5: (Coord: 41.523189, -122.853510) Field 5 is 51 acres with Overlying (OL) and Adjudicated (ADJ) water rights. The field is used as seasonal pasture to support the cattle operation. The field is irrigated by above ground flood irrigation through a complex system of ditches and checks. The groundwater pump typically runs at 900gpm and operates continuously when making a single pass over the field. The irrigation process ceases for 1-2 weeks throughout each month and then restarts again. The pasture is typically irrigated from April 1 to Oct 15. The flood irrigation is also used to provide stock water to the cattle.

Total approximate baseline water usage on Field 5 per month is:

	Field 5 (51 Acres)						
	April	May	June	July	Aug	Sept	Oct
Acre Ft	119.32	47.73	99.43	59.66	59.66	59.66	79.55
Inches	28.07	11.23	23.40	14.04	14.04	14.04	18.72

Field 6: (Coord: 41.517214, -122.896632) Field 6 is 49 acres with Overlying (OL) and Adjudicated (ADJ) water rights. The field is used as seasonal pasture to support the cattle operation. The field is irrigated by a groundwater pump and hand line pipe used to connect two “Big Gun” sprinklers. The pasture is typically irrigated from April 1 to Oct 15 on 12hr sets. Irrigation of Field 6 typically ceases for 1-2 weeks throughout each month and then restarts again. Each Big Gun typically run at 70psi pressure which results in approximately 200gpm per Big Gun. The ground water irrigation is also used to provide stock water for the cattle.

Total approximate baseline water usage on Field 6 per month is:

	Field 6 (49 Acres)						
	April	May	June	July	Aug	Sept	Oct
Acre Ft	106.06	53.03	88.38	106.06	106.06	88.38	70.71
Inches	25.97	12.99	21.65	25.97	25.97	21.65	17.32

2024 PROPOSED LCS CONSERVATION PLAN

To achieve a net reduction of at least 30% throughout the 2024 irrigation season (April 1 to Oct 31) and a monthly reduction of at least 30% between July 1 to Oct 31 as compared to prior baseline years, a combination of forbearance, conversion from flood irrigation to wheel line, and reduction in irrigation days will meet the 30% net and monthly conservation goals. Each of the conservation efforts will be described in order of impact to achieve the Percent Reduction Groundwater LCS.

Field 6 (Total Conservation: 618.69 Acre Ft)

Irrigation of Field 6 takes significant labor to maintain enough pasture feed for the cattle. We have found in recent years it has become increasingly more difficult to maintain healthy pasture growth due the soil type of field 6 and the irrigation method we use. For the 2024 irrigation season Field 6 will not be irrigated and we will rely on dry land growth. We do not intend to deploy the Field 6 irrigation system for 2024. Verification of this **forbearance** can be confirmed by the Cooperating Entity via an on-site inspection.

Field 6 results in monthly conservation as follows:

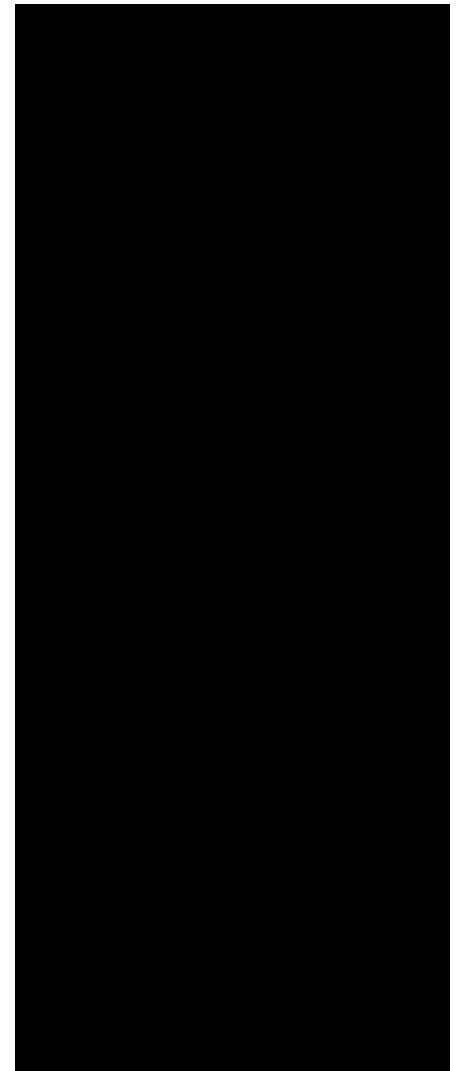
	Field 6 (49 Acres)							
	April	May	June	July	Aug	Sept	Oct	Total
Acre Ft	106.06	53.03	88.38	106.06	106.06	88.38	70.71	618.69

Field 5 (Total Conservation: 268.45 Acre Ft)

Field 5 conservation will consist of converting 11 acres of flood irrigated pasture to wheel line irrigation. This will reduce the total flood irrigation time and improve the irrigation efficiency. Due to the topography and existing ditch system the 11 acres is the most effective area to be covered by wheel line irrigation (see picture to right). The wheel line will be 240 feet with 6 sprinkler heads on 11-hour sets. In addition, irrigation days will be reduced from 132 days to 60 days. Verification of this **conversion and reduction** can be confirmed by the Cooperating Entity via an on-site inspection.

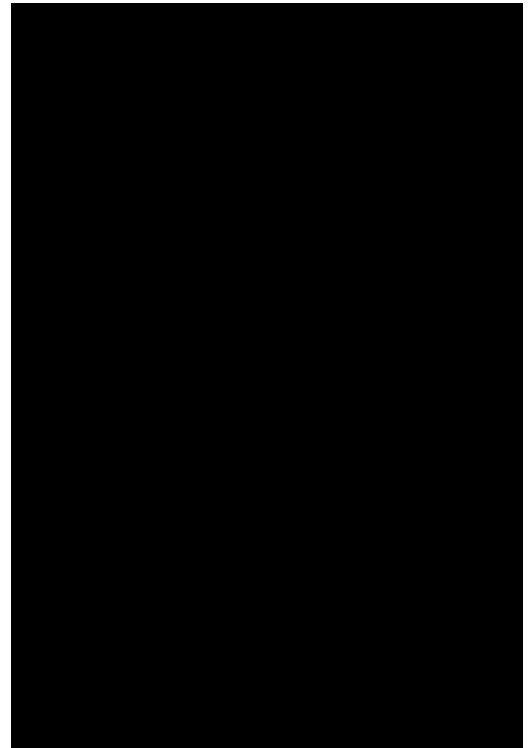
Field 5 results in monthly conservation as follows:

	Field 5 (51 Acres)							
	April	May	June	July	Aug	Sept	Oct	Total
Acre Ft	76.87	31.02	69.45	15.88	29.68	29.68	15.88	268.45



Field 2 (Total Conservation: 179.04 Acre Ft)

Field 2 conservation will consist of **forbearance** of 3.5 acres (see picture to right indicated by grayed triangle areas) as well as a **reduction** in irrigation days from 152 days to 137 days. Verification of the forbearance and reduction can be confirmed by the Cooperating Entity via an on-site inspection.



Field 4 (Total Conservation: 85.56 Acre Ft)

Field 4 conservation will consist of **reduction** in irrigation days from 152 days to 137 days. Verification of the reduction can be confirmed by the Cooperating Entity via an on-site inspection.

Field 4 results in monthly conservation as follows:

	Field 4 (51 Acres)							
	April	May	June	July	Aug	Sept	Oct	Total
Acre Ft	0.00	17.11	28.52	17.11	22.81	0.00	0.00	85.56

Field 3 (Total Conservation: 75.75 Acre Ft)

NOT INCLUDED IN BASELINE OR CONSERVATION AMOUNTS. Field 3 will be fallow for the 2024 growing season but is not included in the LCS calculation as the understanding is it would then be disqualified for grant relief. Verification by the Coordinating Entity is not required. Including Field 3 information is for informational purposes.

Field 3 results in monthly conservation as follows:

	Field 3 (Acre Ft)							
	April	May	June	July	Aug	Sept	Oct	Total
	45.45	40.91	30.30	37.88	45.45	22.73	0.00	222.71

2024 PROPOSED LCS CONSERVATION PLAN SUMMARY

Through the efforts of forbearance, conversion, and reduction both the net reduction of at least 30% for the 2024 irrigation season and a monthly reduction of at least 30% for the months of July, Aug, Sept, and Oct have been met. The verification of these efforts can be confirmed by the Cooperating Entity. The total 2024 irrigation season conservation results in a **savings of 1226.60 acre feet or a net 33% reduction.**

The monthly conservation totals result in the following:

		2024 Irrigation Season Conservation Totals							
		April	May	June	July	Aug	Sept	Oct	Total
Baseline	Acre Ft	733.37	557.95	611.14	589.04	673.71	402.04	150.25	3717.49
	Inches	32.59	24.80	27.16	26.18	29.94	17.87	6.68	165.22
2024 Season	Acre Ft	531.72	408.13	356.16	402.58	454.02	274.62	63.67	2490.89
	Inches	23.63	18.14	15.83	17.89	20.18	12.21	2.83	110.71
Conserved	Acre Ft	201.65	149.82	254.98	186.46	219.69	127.42	86.58	1226.60
	Inches	8.96	6.66	11.33	8.29	9.76	5.66	3.85	54.52
Pct Conservation		27%	27%	42%	32%	33%	32%	58%	33%

This proposal is being offered in good faith in connection with the 2024 irrigation season. The 2005 Hurlimann Family Limited Partnership and Hurlimann Ranch, LLC reserves all rights, claims, and defenses with regard to the matters described herein. This plan is offered voluntarily without legal obligations to undertake the matters described within this proposal. Should governmental or NGO funds become available for forbearance of improvement efforts to which the 2005 Hurlimann Family Limited Partnership or Hurlimann Ranch, LLC would otherwise be entitled, nothing shall be construed to limit the availability of such funds provided the proposal herein is materially performed for the 2024 irrigation season.

Though Field 6 has surface water rights, those rights won't be used to replace groundwater which is being conserved by this LCS plan. The remaining fields do not have surface water rights.

Regards,

2005 Hurlimann Family Limited Partnership
 John Hurlimann
 Partner
 April 14, 2024