

Water Reduction Plan
for the
Double 'D' Ranch

The Double D Ranch is located at [REDACTED]
96027

It is owned and operated by Don and Maxine DeDobbeleer
The property is 100 acres divided into 3 parcels.
The APN's are 023-030-430-000, 023-040-270-000 &
0230-040-130-000

Our ranch is all natural pasture grass except for the approx. 10 acres with house, barn and equipment and corrals. We lease the pasture to other ranchers so they have the acreage to raise feed for their cattle. Originally the property was watered with wheel lines, a gun and some handlines. In 2016 we purchased a pivot and a Variable Frequency Drive and a better well pump for more efficiency and less wasted water. The pivot covers 4 fields. We had hoped to purchase another pivot that would have covered 2 & 3/4 fields to replace a 1/4 mi. wheel line, a 1/8 mi. wheel line and the hand lines. It would have greatly made watering more efficient especially for the area near the creek which is becoming weed infested. But with the inflation it's out of our budget for now.

Patterson Creek is on the southern border of our property and we have been in the CRP program, we have worked with Fish and Game and the RCD to plant willows and later rock wiers and to monitor the fish. We also installed a solar system to cut back on electricity. We both love nature and are pro conservation, so we are doing our best to cooperate with the state water board. However we are also trying to do our best to preserve our natural habitat and our livelihood and for the ranchers who depend on our pasture so they can raise the feed for their cattle on their properties and for them to plan their future.

In 2020 we were watering approx. 77 acres and propose to cut back to approx. 54 acres. Also we will not be using the

Fields 1-4 Watered with a pivot covering 33.4 acres
and an end gun covering another 4.9 acres

Field 5 counting as fallow both years 4.3 acres

Field 6 watered with a wheel line with 20 wheels in
2020 9.1 acre and left fallow in 2022

Field 7 watered with a wheel line with 32 wheels
15.8 acres

Field 8 watered with a wheel line with 23 wheels and
43 handlines beginning in July 2020 then
switched to pods and the wheel line in 2021 and 2022 5 acres

Field 9 watered with a wheel line with 9 wheels in
2020. Neighbor's pivot watering it in 2022

5 acres

Field 10 Considered fallow 7 acres

Pivot runs 244 g.p.m. or 14640 g.p.h

End gun runs 38 g.p.m. or 2280 g.p.h

32 wheel line has have nozzles that are 5/32 and put
out 10,348.8 g.p.h.

23 wheel line same nozzles 7438.2 g.p.h.

9 wheel line same nozzles 2920.6 g.p.h.

43 handlines nozzle size 7/64 and put out 2.6.g.p.m
and 150 g.p.h

20 wheel line 5/32 and put out 6468 g.p.h

10 pods put out 3 g.p.m. or 30 g.p.h

gun on our pivot nor the gun in field 5. Which is a 30% decrease
in acreage watered.

Dart et al
Mazni de la...

Double D Ranch LCS: 2020 Water Use

Field	Acreage	Crop	2020 Irrigation Method	How is monthly water use calculated	April water use (AF)	May water use (AF)	June water use (AF)	July water use (AF)	August water use (AF)	September water use (AF)	October water use (AF)	Total water use (AF)
1, 2, 3, 4	33.4	pasture	Pivot	14,640 gallons per hour. 4 fields. 4.5 days to run 360 degrees. 4.5 day (116 hours) sets.	0.00	1.35	5.12	5.19	4.04	4.04	2.02	21.76
5	4.3	pasture	Gun	16,920 gallons per hour (not fallowed as shown in some handwritten notes)	0.00	1.56	5.92	6.00	4.67	4.67	2.34	25.15
6	9.1	pasture	Wheel line	Half wheelline. 20-5/32" nozzles. 6,486 gallons per hour. 30 hours per month (3 sets per month)	0.00	1.59	1.59	0.00	0.00	0.00	0.00	3.18
7	15.8	pasture	Wheel line	32-5/32" nozzles. 10,348 gallons per hour. 10 hour sets. Run for 108 hours per run, twice per month.	0.00	2.97	2.97	8.91	8.91	2.97	2.97	29.69
8	5	pasture	Wheel line, Hand line	Half wheelline: 23-5/32" nozzles. 7,438.2 gallons per hour. Hand line: 43-7/64" nozzles. 150 gallons per hour.	0.00	0.00	0.00	1.12	0.56	0.00	0.00	1.68
9	5	pasture/grass	Wheel line	9-23-5/32" nozzles. 2,920.6 gallons per hour.	0.00	0.00	0.00	0.43	0.22	0.00	0.00	0.65
10	7	pasture/grass	Hand line	Fallowed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Acreage	79.6			2020 Monthly total:	0.00	7.47	15.60	21.64	18.40	11.68	7.33	82.11

Double D Ranch LCS: 2022 Water Use

Field	Acreage	Crop	2022 Irrigation Method	How is monthly water use calculated	April water use (AF)	May water use (AF)	June water use (AF)	July water use (AF)	August water use (AF)	September water use (AF)	October water use (AF)	Total water use (AF)
1, 2, 3, 4	33.4	pasture	Pivot	14,640 gallons per hour. 4 fields. 4.5 days to run 360 degrees. 4.5 day (116 hours) sets.	0.00	2.25	5.39	6.96	2.70	2.70	0.00	19.99
5	4.3	pasture	Gun	Fallowed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	9.1	pasture	Wheel line	Fallowed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15.8	pasture	Wheel line	32-5/32" nozzles. 10,348 gallons per hour. 10 hour sets. Run for 108 hours per run, twice per month.	0.00	0.00	2.54	5.08	6.10	4.06	0.00	17.78
8	5	pasture	Wheel line, Pods	Half wheeline: 23-5/32" nozzles. 7,438.2 gallons per hour. 10 pods. Each pod runs 3 gallons per hour. 1800 gallons per hour.	0.72	0.50	0.68	1.45	1.45	0.72	0.72	6.25
9	5	pasture/grass	Wheel line	9-23-5/32" nozzles. 2,920.6 gallons per hour. Mostly fallowed	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.22
10	7	pasture/grass	Hand line	Fallowed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Acreage	79.6			2022 Monthly total:	0.94	2.74	8.61	13.49	10.24	7.48	0.72	44.23
				2020 Monthly total:	0.00	7.47	15.60	21.64	18.40	11.68	7.33	82.11
				Percent Reduction				38%	44%	36%	90%	46%

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A1 A B C D E F G H I J K

Monthly

2022	Pivot w/o cum)				6	7	23 wheels + 10 posts	8 posts	9 posts	Total Acres
2020	1	2	3	4			wt hrs			
April							.71	.2		.91
May		45 hrs	5 hr 2", 30				14 32			4.13
June		2.02	.22	1.34			.55			
June		60/1"	60/2"			80 hrs	24			8.5
		2.69	2.6				25	.71		
July		75 hrs	80/2"			160 hrs	48 64			13.24
		3.32	3.5			50 hrs	24 + 32			
							108" 34			
Aug.		30/2"	30/1"			192	24	22	48 164	10.19
		1.34	1.34			6.09			1.92	
Sept.		60/1"				128	24	32		7.46
		2.69				64	.54	.17		
						4.06				
Oct.							24	32		.71
							.54	.17		45.14

Sheet1 +

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Calibri 11 B

A1

A B C D E F G H I J K

Monthly

		PIVOT WITH GUN				32 sheets	23 wheels	43 hand lines	9 wheels	4 tiers	TOTAL A.F.
		1	2	3	4	6	8	9			
1	2020										
2	May	Hours 30 hrs.				80 hrs	93.5 hrs				
3		Acre Ft. 1.5 Acre'				1.5 AF	3.2 Acre'			6.2	
4	June	← 90 hrs.	12 hr	12 hr		80 hrs	93.5 X 2				
5		4.6 AF.		1.07 AF.		1.5 AF.	6.4 AF.			13.64	
6	July	Hours 48/1/4"		7.5 + 1/4"			280.5	48	48		
7		Acre Ft. 2.49	3.46				9.6	202	1268	18.93	
8											
9	August	Hours 90/1/4"					280.5	24	24		
10		Acre' 4.04					9.6	1.01	-21	14.86	
11	Sept.	Hours 90/1/4"		22.5/1/4"			93.5				
12		Acre' 4.04		1.01			324			8.25	
13	Sept.										
14	Oct										
15	OCT	45/1/4"					93.5				
16		2.02					3.2			5.22	
17											
18											
19											
20											
21											
22											
23											
24											

FIELDS 5 + 10

Some WATER little or short time
OTHERWISE FALLOW

67.1

Sheet1 +



Stekiyou County

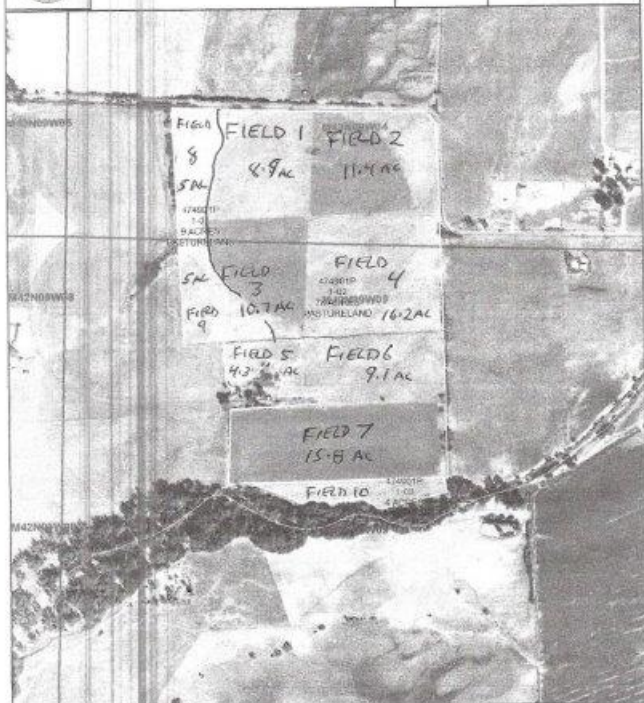
Permit Number: 474901P

Map 1-Home Ranch

Created On: 9/23/2028

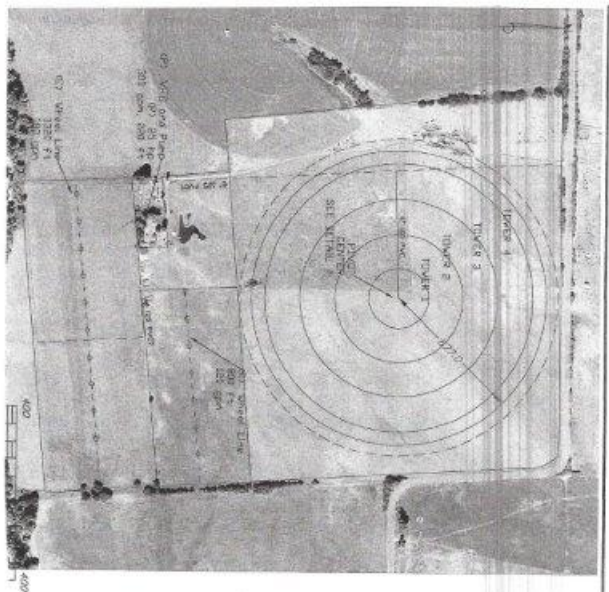
Eller Ln/House, creeks, pond

Operator: DE DOBBELEER, DON



Included Sites: 1-01, 1-02, 1-03





FULL PIVOT

- Area Irrigated = 38.3 acres
- Design Flow Rate = 300 gpm
 - Pivot = 244 gpm
 - End Gun = 38 gpm
- Top of Inlet Pressure = 19 psi
- Application rate = 0.31 inches/day
- Peak ET for pasture grass = 0.26 inches/day
- Peak ET for pasture grass + alfalfa = 0.31 inches/day



InterMountain Ag Inc.

ELECTROGATOR II™

Irrigation System Purchase Agreement - Dedobbeleer 2015 4 T

10/22/2015

PRICES EFFECTIVE: June 1, 2015

Customer Information

Customer: Don and Maxine Dedobbeleer
Manager:



Mailing:



Email:

Phone:

Dealer Information

InterMountain Ag Inc.
201 E. Fourth Street
Dorris, CA 96023

Phone: 530 397 4441
FAX: 530 397 4442
Mobile: 530 640 2212
Email: intaginc@yahoo.com

System Information

System Type: Center Pivot
System GPM: 300.0 GPM
Elevation: 0.0' feet
Top of Inlet Pressure: 16.49 PSI
End Pressure: 15.00 PSI
Hours to Apply an Inch: 62.8 Hours

Model: E2660-G/S7"
System Length: 677.0'
System Acres: 33.4 Acres
End Gun Acres: 4.9 Acres
Total Acres: 38.3 Acres

Span Information

Number	Diameter	Length	Wheel Track
1	6.00'	137.0'	139.0'
2	6.00'	156.0'	295.0'
3	6.00'	160.0'	455.0'
4	6.00'	160.0'	615.0'
EB	6.00"	61.0'	677.0'

Irrigation System Purchase Agreement

Customer/Owner Name: Don and Maxine Dedobbeleer

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10/22/2015



SISKIYOU RESOURCE CONSERVATION DISTRICT

P.O. Box 268, Etna, CA 96027
PHONE (530) 467-3975 FAX (530) 467-5617
Email: sisqrcd@sisqtel.net
Website: www.siskiyourcd.com

Binding Agreement

Contractor Contact Information:

<i>Business:</i>	Siskiyou RCD
<i>Contact Person:</i>	Chris Voigt
<i>Address:</i>	PO Box 268/ 450 Main St., Etna, CA, 96027
<i>Phone:</i>	(530) 467-3975
<i>Email:</i>	chris@siskiyourcd.com

Landowner Contact Information:

<i>Business:</i>	DOUBLE D RANCH
<i>Contact Person:</i>	DON DEDOBRELEER
<i>Address:</i>	
<i>Phone:</i>	
<i>Email:</i>	

Background

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) and Siskiyou Resource Conservation District (SRCD) 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.



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Recitals

1. Section 875(f)(4)(D) of the drought emergency regulation provides a specific type of LCS that was determined to be sufficient for approval by the Deputy Director;
2. For overlying or adjudicated groundwater diversions for irrigated agriculture described in sections 875.5(f)(4)(D)(i)-(iii) [Scott River], the Deputy Director may approve a groundwater-basin-wide, groundwater sub-basin-wide, or any number of individual local cooperative solutions totaling at least 400 acres where:
 - i. The proposal is based on a binding agreement. "Such binding agreement may be made with a coordinating entity with the expertise and ability to evaluate and require performance of the agreement, for example with the California Department of Fish and Wildlife (CDFW), the National Marine Fisheries Service, the Scott Valley and Shasta Valley Watermaster District, a non-profit organization with expertise and experience in water-saving transactions or similarly qualified entity."
 - ii. For the Scott River: "The proposal provides at least: 1) a net reduction in water use of 30 percent throughout the irrigation season (April 1-October 31), as compared to the prior irrigation season; and 2) a monthly reduction of at least 30% in the July 1 through October 31 period, as compared to the prior year or 2020. Such reduction 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. 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."

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



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Binding Agreement Terms

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

- For the duration of this binding agreement where SRCD is the coordinating entity, the Landowner shall give SRCD 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 SRCD shall provide pre-notification to, and shall obtain approval by the Landowner before accessing the property,
- SRCD 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 SRCD 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,
- SRCD 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. SRCD 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



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and SRWCB. If a Landowner requests SRCD assistance with an updated LCS, the SRCD and Landowner will enter into a new Binding Agreement and,

Payment

In consideration for the services to be performed by SRCD, the Landowner agrees to pay SRCD 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 SRCD for expenses that are attributable directly to work performed under this Agreement. Any expenses incurred will be approved by the Landowner beforehand. SRCD will submit an itemized statement of Contractor's expenses attached with invoicing.

Terms of Payment

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

Term of Agreement

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

- November 1, 2022, or
- The date a party terminates the binding agreement.
- Monitoring information will be collected by the SRCD and shared with State Water Board as a field report in accordance with their reporting schedule or upon request
- SRCD 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 established by the actions described in the LSC



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Signatures

Chris Koiff

SRCD Representative

7/21/2022

Date

David J. Tolman

Landowner

7-21-22

Date