

SECTION ONE - Farm Characteristics

1. What groundwater district is your farm located in (check all that apply)?

- | | | |
|--------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------|
| 1 <input type="checkbox"/> American Falls-
Aberdeen | 4 <input type="checkbox"/> Carey Valley | 8 <input type="checkbox"/> North Snake |
| 2 <input type="checkbox"/> Bingham | 5 <input type="checkbox"/> Jefferson Clark | 9 <input type="checkbox"/> Farm is not in a
groundwater district |
| 3 <input type="checkbox"/> Bonneville-Jefferson | 6 <input type="checkbox"/> Madison | 10 <input type="checkbox"/> Other _____ |
| | 7 <input type="checkbox"/> Magic Valley | |

If your farm is in one or more of the groundwater districts listed above, please fill out the rest of the questionnaire and return it in the self-addressed, stamped envelope provided. If your farm is NOT located in one of the listed groundwater districts, it is not necessary for you to complete the questionnaire. Please return your incomplete questionnaire in the self-addressed, stamped envelope provided so that we can update our records.

2. How many total acres of land do you own? acres

3. How many total acres do you farm (include leased land)? acres

4. Use the table below to indicate how many acres of each of the following crops were planted on your farm in 2016, your yield, and what percent of the crop you have contracted or in a co-op.

	Acres	Total Yield	Percent Contracted or in Co-op
Alfalfa/hay			
Barley			
Corn for silage			
Seed corn			
Potatoes			
Sugar beets			
Irrigated wheat			
Other (please list):			
Other (please list):			

5. How many head of dairy cattle do you have on the land you own or manage? head

6. How many head of beef cattle do you have on the land you own or manage? head

7. How many head of other livestock do you have on the land you own or manage? head

8. In an average year, what percentage of your crops are insured? %

9. In an average year, what percentage of your livestock are insured? %

10. In the table below, please indicate which of the following irrigation methods you use on your farm and approximately how many acres that irrigation system is on.

Irrigation Type	Check the Box Next to Each Irrigation System You Use on Your Farm (Check All That Apply)	Acres	In What Year Did You Install This System?
Micro-sprinklers	<input type="checkbox"/>		
Center pivot	<input type="checkbox"/>		
Hand lines	<input type="checkbox"/>		
Wheel lines	<input type="checkbox"/>		
Drip	<input type="checkbox"/>		
Furrow/flood	<input type="checkbox"/>		
Other (<i>write in</i>):	<input type="checkbox"/>		

11. In the following table, indicate what types of water rights you have (check all that apply) and what percentage of your total water portfolio that right makes up.

Water Right Type	Check If You Have Indicated Type Of Water Right	Percentage of Water Right Portfolio
Junior groundwater rights (1973-present)	<input type="checkbox"/>	%
Senior groundwater rights (1972 or earlier)	<input type="checkbox"/>	%
Surface water	<input type="checkbox"/>	%
Dual rights	<input type="checkbox"/>	%

SECTION TWO - Challenges to Your Farm Operation

12. Please rate how challenging each of the following is when it comes to making a living from your farm.

	Not a Challenge	Slight Challenge	Moderate Challenge	Major Challenge	Extreme Challenge
Low commodity prices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High cost of farming inputs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Obtaining financing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Finding contracts for my crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpredictable crop markets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pests/weeds/disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpredictable weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not enough water to irrigate sufficiently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hiring and/or keeping labor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Government regulations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of access to technical assistance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION THREE - Impact of Water Restriction on Your Farm Operation

13. In this section, we will ask you several questions about how your farm was impacted by the water reductions you were required to make as a result of the 2015 water settlement agreement.

	Percentage
What percentage of your total groundwater rights were you required to cut by your groundwater district?	%
In your estimation, what percentage of your typical yield have you lost because of the water cut requirements?	%
In your estimation, what percentage of your typical farm income have you lost because of the water cut requirements?	%

	Meters
How many well meters have you purchased to meet the terms of the settlement agreement?	
How many well meters do you still need to purchase to meet the terms of the settlement agreement?	

	2016	2017
How many acres have you taken out of production since the agreement took effect to meet your required water cut in the 2016 and 2017 irrigation seasons?	\$	\$
Overall, how much money did you spend to meet your required water reduction in the 2016 and 2017 irrigation seasons?	\$	\$

14. How concerned are you about the following issues related to the water cuts?

	Not At All Concerned	Slightly Concerned	Moderately Concerned	Very Concerned	Extremely Concerned
Meeting the water reduction requirements of the settlement agreement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The impact of the settlement agreement on your farm operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your ability to make a living from your farm with the required water cuts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. Indicate which of the following you or someone in your family have done since 2015 to deal with the financial impacts of the settlement agreement on your farm.

	Yes	No
Took an off-farm job	<input type="checkbox"/>	<input type="checkbox"/>
Started a new business	<input type="checkbox"/>	<input type="checkbox"/>
Reduced spending	<input type="checkbox"/>	<input type="checkbox"/>
Contracted more crops	<input type="checkbox"/>	<input type="checkbox"/>
Contracted fewer crops	<input type="checkbox"/>	<input type="checkbox"/>
Joined a co-op (e.g., Amalgamated Sugar)	<input type="checkbox"/>	<input type="checkbox"/>
Other (<i>write in</i>):	<input type="checkbox"/>	<input type="checkbox"/>

SECTION FIVE - Farm Practices

18. In the following table, indicate which of the following practices you used to meet your required water cuts or deal with the associated impacts. Please also indicate if you plan to use these practices in the future. Check all that apply.

	Have Used This Practice		I Plan to Use This Practice in the Future	
	Yes	No	Unlikely	Likely
Changed crop rotation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Switched to or added dryland acres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planted higher value crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planted less water-intensive crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changed tillage practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dried up corners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Turned off end guns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Irrigated less frequently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improved irrigation system efficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Switched to a more efficient irrigation system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used canal water to meet requirements (mitigate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Purchased recharge credits (e.g., Snake River Storage or Recharge Development Corporation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Purchased or rented canal shares	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Put land into Conservation Reserve Program or other government sponsored program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduced livestock herd size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hired consultant for technical help	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sold land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adopted precision agriculture techniques (e.g. drones)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stopped farming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did not do anything	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (write in):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (write in):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION EIGHT - Landowner Information

27. Are you?

- Male Female

28. What year were you born?

29. What is the highest level of formal education you have completed?

- Some high school or less Technical school/some college Graduate degree (e.g. MS, MBA, PHD, MD)
 High school College

30. Over the last five years, what is your average net annual **household** income (income after taxes and farm production expenses are paid)? Include farm and non-farm income sources.

- Less than \$25,000 Between than \$250,001-\$500,000
 Between \$25,001-\$50,000 Between than \$500,001-\$1,000,000
 Between \$50,001-\$100,000 More than \$1,000,000
 Between \$100,001-\$250,000

31. Over the last five years, what is your average net annual **farm** income (income after taxes and farm production expenses are paid)? Include only farm sources.

- Less than \$25,000 Between than \$250,001-\$500,000
 Between \$25,001-\$50,000 Between than \$500,001-\$1,000,000
 Between \$50,001-\$100,000 More than \$1,000,000
 Between \$100,001-\$250,000

32. Over the last five years, what are your average yearly farm production expenses?

- Less than \$25,000 Between than \$250,001-\$500,000
 Between \$25,001-\$50,000 Between than \$500,001-\$1,000,000
 Between \$50,001-\$100,000 More than \$1,000,000
 Between \$100,001-\$250,000

33. On average, what percentage of your household's annual income comes from the following sources?

Agricultural production (not including livestock) %
Livestock production %
Off-farm sources (e.g., other jobs, investments, retirement plans)..... %

34. With which religious faith do you most closely affiliate?

- Mormon/LDS Mennonite No affiliation
 Catholic Other Christian Other (write in) _____

35. What is your political ideology?

- Liberal Moderate Conservative

36. Would you like to tell us anything else about your experience with the 2015 settlement agreement or your ability to comply with its required irrigation restrictions?

Thank you for taking this survey!

Please return your booklet using the postage paid envelope provided.

Idaho State
UNIVERSITY

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of Idaho



BOISE STATE UNIVERSITY