

**PRECISION LEVELING VERIFICATION STUDY
RICE PRODUCTION
FARM PRACTICES SURVEY
2006-2010**

INTRODUCTION:

The purpose of this survey is to investigate how laser leveling and other water conservation measures and management practices, as currently applied by farmers in LCRA's Lakeside Irrigation Division, influence on-farm water use. Your response to the survey is voluntary. LCRA will not release your information unless required to do so by law. Please refer to your farm records before and during the survey to make the information as accurate as possible. Several questions are marked optional. If you cannot or do not wish to answer some questions, please mark NA (not available). The survey consists of three parts: General Information, Farming Practices, and Field Characteristics. We greatly appreciate your time and effort.

PART 1: GENERAL INFORMATION

Please answer this survey to the best of your knowledge. At the bottom of this page and in the General Information part please provide your name, your role in the farming operation, the LCRA contract name associated with the farm(s), and place an "X" in the appropriate boxes. If you do not wish to answer the optional questions there is no need to do so.

PART 2: FARMING PRACTICES

These questions refer to water conservation measures and management practices. Some questions ask for a percentage; others ask you to place an "X" in the appropriate box, other questions ask you to rank alternatives on a scale (1 as most important). Your answers will enable LCRA to better understand the factors that contribute to adoption of conservation practices.

PART 3: FIELD CHARACTERISTICS

The questions about characteristics of farm fields are central for verification of the benefits of the program to pay for farm land improvements. Please list ALL fields planted from 2006 to 2010 (one row per field per crop season). Identify each rice field with both the LCRA field name (refer to the mapbook). All fields must be identified using that name so we can identify the correct field in LCRA's billing system. Please describe ALL fields planted (starting with spring 2006) in one row per field per crop season, by placing an "X" in the appropriate box on all items that are YES. Please refer to your farm records to make the information as accurate as possible. If you do not have records for some fields/years, please note that. If you have information about the planting date and/or permanent flood date please include that in the description. If you have any questions about the terminology in the survey, refer back to the glossary attached to your survey.

A mapbook of your fields is enclosed for your reference. Please keep in mind that the rice field boundaries may not be exact as we just switched to the new 2008 flyover layer. If there are any fields in your map books that are incorrectly marked and are not part of your farming operation or if you have any other questions about filling out the survey, please contact Stacy Pandey or Ana Ramirez at (512) 473-3200/1-800-776-5272 or send an email to waterconservation@lcra.org. We appreciate your time and effort and look forward to receiving your survey.

Survey Respondent Name : _____ Email Address _____

LCRA Contract Holder Name: _____ Phone Number: _____ Date _____

Role: Land Owner Tenant Manager Partner Other (please specify) _____

PART I:

GENERAL INFORMATION

Name _____

Role _____

Gender: Male Female

What is the total area of your farm operation? _____acres

How long have you been working in farming?

Years farming
<input type="checkbox"/> 0-5
<input type="checkbox"/> 6-10
<input type="checkbox"/> 11-15
<input type="checkbox"/> 16-20
<input type="checkbox"/> more than 20

How many years have you been farming in Lakeside?

Years farming
<input type="checkbox"/> 0-5
<input type="checkbox"/> 6-10
<input type="checkbox"/> 11-15
<input type="checkbox"/> 16-20
<input type="checkbox"/> more than 20

OPTIONAL:

Age
<input type="checkbox"/> Less than 30
<input type="checkbox"/> 31-40
<input type="checkbox"/> 41-50
<input type="checkbox"/> 51-60
<input type="checkbox"/> more than 60

OPTIONAL:

Highest level of education completed
<input type="checkbox"/> 8th grade
<input type="checkbox"/> High School
<input type="checkbox"/> College
<input type="checkbox"/> Graduate School
<input type="checkbox"/> Other (please specify) _____

PART 2: FARMING PRACTICES

1. What percent of your total working time (that is, time spent on activities that provide you with means of livelihood) do you spend working on

	Percentage of total working time
Farms you own	_____
Farms rented for cash	_____
Off-farm activities (please specify) _____	_____

2. In your farming practice, who makes the management decisions (that is, decisions on farming practices such as crop variety, pesticides, water use, labor and infrastructure investments)

a) Farmed by owner	b) Rented for cash	c) Share rented
<input type="checkbox"/> Land Owner	<input type="checkbox"/> Land Owner	<input type="checkbox"/> Land Owner
<input type="checkbox"/> Tenant	<input type="checkbox"/> Tenant	<input type="checkbox"/> Tenant
<input type="checkbox"/> Manager	<input type="checkbox"/> Manager	<input type="checkbox"/> Manager
<input type="checkbox"/> Field Hand	<input type="checkbox"/> Field Hand	<input type="checkbox"/> Field Hand
<input type="checkbox"/> Crop consultant	<input type="checkbox"/> Crop consultant	<input type="checkbox"/> Crop consultant
<input type="checkbox"/> Other (please specify) _____	<input type="checkbox"/> Other (please specify) _____	<input type="checkbox"/> Other (please specify) _____

3. In your farming practice, who decides when and how much water to order when land is

a) Farmed by owner	b) Rented for cash	c) Share rented
<input type="checkbox"/> Land Owner	<input type="checkbox"/> Land Owner	<input type="checkbox"/> Land Owner
<input type="checkbox"/> Tenant	<input type="checkbox"/> Tenant	<input type="checkbox"/> Tenant
<input type="checkbox"/> Manager	<input type="checkbox"/> Manager	<input type="checkbox"/> Manager
<input type="checkbox"/> Field Hand	<input type="checkbox"/> Field Hand	<input type="checkbox"/> Field Hand
<input type="checkbox"/> Crop consultant	<input type="checkbox"/> Crop consultant	<input type="checkbox"/> Crop consultant
<input type="checkbox"/> Other (please specify) _____	<input type="checkbox"/> Other (please specify) _____	<input type="checkbox"/> Other (please specify) _____

4. Do you currently practice conservation measures like precision leveling, multiple inlets or permanent levees to reduce water use? Yes No

5. If yes, on a scale of 1 to 5 (1 being most influential and 5 least influential), rank what people influenced you to implement the conservation measure?

a) Precision Leveling	b) Multiple Inlets	c) Permanent Levees
____ Personal experience	____ Personal experience	____ Personal experience
____ Other producers	____ Other producers	____ Other producers
____ Crop consultant	____ Crop consultant	____ Crop consultant
____ Extension agent	____ Extension agent	____ Extension agent
____ Other (specify) _____	____ Other (specify) _____	____ Other (specify) _____

6. Please estimate the percentage of your farmland that has been precision leveled (that is, land that is graded to a slope less than 2%? _____

7. 1 being most important and 5 being least important, rank the reasons affecting your decision to adopt the following conservation measures?

a) Precision Leveling	b) Multiple Inlets	c) Permanent Levees
____ Increase yield	____ Increase yield	____ Increase yield
____ Land topography	____ Land topography	____ Land topography
____ Reduce labor costs	____ Reduce labor costs	____ Reduce labor costs
____ Water savings	____ Water savings	____ Water savings
____ Financial support	____ Financial support	____ Financial support
____ Guaranteed contract	____ Guaranteed contract	____ Guaranteed contract
____ Other (please specify) _____	____ Other (please specify) _____	____ Other (please specify) _____

8. Have you ever adopted a conservation measure but are not currently practicing it?

Yes No

9. 1 being most important and 5 being least important, rank the reasons affecting your decision to abandon or never adopt the following conservation measures?

a) Precision Leveling	b) Multiple Inlets	c) Permanent Levees
____ Return period of investment	____ Return period of investment	____ Return period of investment
____ Low participation by peers	____ Low participation by peers	____ Low participation by peers
____ Investment costs	____ Investment costs	____ Investment costs
____ Keep fields on canal system	____ Keep fields on canal system	____ Keep fields on canal system
____ Other (please specify) _____	____ Other (please specify) _____	____ Other (please specify) _____

10. Please rank on a scale of 1 to 6 (1 being most influential and 6 least influential), which of these sources have you received most of your farming knowledge?

Sources
____ Own practice/experience
____ Parents/relatives
____ Other farmers
____ Extension services
____ School
____ Other (please specify) _____

11. On your fields, do you collect rainfall or other weather data? Yes No

12. If yes, what kind? _____

13. Would you be willing to provide data reports from your farm gauges? Yes No

14. Are there any other things that you can tell us about your farming practice that would influence your water use? _____

15. Do you flush as a standard practice before holding a permanent flood? Yes No

PART 3: FIELD CHARACTERISTICS

Please list the fields you farmed from 2006 to 2010 and place a check in the appropriate box to describe each field

Survey ID: _____

Field name	2nd crop Abandoned harvest of 2nd crop	Management		Conservation Measures							Water by wells					
		Rice Variety	Ownership stake	Conservation Measures	In-field lateral	Multiple inlets	Levees	Slope	Multiple Inlets Funding	Precision Leveling Funding						
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
Owner:				<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____									<input type="checkbox"/> Multiple Inlets _____yr	<input type="checkbox"/> Permanent Perimeter Levees	<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)
FSA number				<input type="checkbox"/> Permanent Perimeter Levees									<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)		
Description: Acres:				<input type="checkbox"/> Conservation Tillage									<input type="checkbox"/> Other (please specify)			
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
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FSA number				<input type="checkbox"/> Permanent Perimeter Levees									<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)		
Description: Acres:				<input type="checkbox"/> Conservation Tillage									<input type="checkbox"/> Other (please specify)			

PART 3: FIELD CHARACTERISTICS

Please list the fields you farmed from 2006 to 2010 and place a check in the appropriate box to describe each field

Survey ID: _____

Field name	2nd crop Abandoned harvest of 2nd crop	Management		Conservation Measures							Water by wells		
		Rice Variety	Ownership stake	Conservation Measures	In-field lateral	Multiple inlets	Levees	Slope	Multiple Inlets Funding	Precision Leveling Funding			
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No	
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Description: _____ Acres: _____													

PART 3: FIELD CHARACTERISTICS

Please list the fields you farmed from 2006 to 2010 and place a check in the appropriate box to describe each field

Survey ID: _____

Field name	2nd crop Abandoned harvest of 2nd crop	Management		Conservation Measures							Water by wells					
		Rice Variety	Ownership stake	Conservation Measures	In-field lateral	Multiple inlets	Levees	Slope	Multiple Inlets Funding	Precision Leveling Funding						
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
Owner:				<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____									<input type="checkbox"/> Multiple Inlets _____yr	<input type="checkbox"/> Permanent Perimeter Levees	<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)
FSA number				<input type="checkbox"/> Permanent Perimeter Levees									<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)		
Description: _____ Acres: _____				<input type="checkbox"/> Conservation Tillage									<input type="checkbox"/> Other (please specify)			
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
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FSA number				<input type="checkbox"/> Permanent Perimeter Levees									<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)		
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LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
Owner:				<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____									<input type="checkbox"/> Multiple Inlets _____yr	<input type="checkbox"/> Permanent Perimeter Levees	<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)
FSA number				<input type="checkbox"/> Permanent Perimeter Levees									<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)		
Description: _____ Acres: _____				<input type="checkbox"/> Conservation Tillage									<input type="checkbox"/> Other (please specify)			
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
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Owner:				<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____									<input type="checkbox"/> Multiple Inlets _____yr	<input type="checkbox"/> Permanent Perimeter Levees	<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)
FSA number				<input type="checkbox"/> Permanent Perimeter Levees									<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)		
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LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
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FSA number				<input type="checkbox"/> Permanent Perimeter Levees									<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)		
Description: _____ Acres: _____				<input type="checkbox"/> Conservation Tillage									<input type="checkbox"/> Other (please specify)			

PART 3: FIELD CHARACTERISTICS

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Survey ID: _____

Field name	2nd crop Abandoned harvest of 2nd crop	Management		Conservation Measures							Water by wells					
		Rice Variety	Ownership stake	Conservation Measures	In-field lateral	Multiple inlets	Levees	Slope	Multiple Inlets Funding	Precision Leveling Funding						
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
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Owner:				<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____									<input type="checkbox"/> Multiple Inlets _____yr	<input type="checkbox"/> Permanent Perimeter Levees	<input type="checkbox"/> Conservation Tillage	<input type="checkbox"/> Other (please specify)
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LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No				
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FSA number				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)
Description: Acres:				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No	
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FSA number				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)
Description: Acres:				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No	
Owner:				<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____									<input type="checkbox"/> Multiple Inlets _____yr
FSA number				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)
Description: Acres:				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)
LCRA:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traditional <input type="checkbox"/> Seed <input type="checkbox"/> Hybrid <input type="checkbox"/> Other	<input type="checkbox"/> Farmed by owner <input type="checkbox"/> Rented for cash <input type="checkbox"/> Share rented 50/50 <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number of water inlets controlled by farmer	<input type="checkbox"/> Permanent <input type="checkbox"/> Straight <input type="checkbox"/> Contour <input type="checkbox"/> None <input type="checkbox"/> Other (specify)	Number of Levees	<input type="checkbox"/> Slope = 0.2% <input type="checkbox"/> 0.2% > Slope > 0.1% <input type="checkbox"/> Slope = 0.1% <input type="checkbox"/> Slope = 0.05% <input type="checkbox"/> Zero grade <input type="checkbox"/> Other (specify)	NRCS funding <input type="checkbox"/> Yes <input type="checkbox"/> No	Cost-share with NRCS <input type="checkbox"/> Yes <input type="checkbox"/> No All Private funding <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other	<input type="checkbox"/> Yes if Yes, %water _____ <input type="checkbox"/> No	
Owner:				<input type="checkbox"/> Precision Leveled _____yr % of field leveled _____									<input type="checkbox"/> Multiple Inlets _____yr
FSA number				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)
Description: Acres:				<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)									<input type="checkbox"/> Permanent Perimeter Levees <input type="checkbox"/> Conservation Tillage <input type="checkbox"/> Other (please specify)

NAME	DESCRIPTION
CONSERVATION TILLAGE	Any practice where a field is not tilled in the spring before planting (including minimum tillage, stale seedbed planting, and limited tillage)
CONTOUR LEVEE	Unmodified slopes; levees are usually serpentine and irregularly spaced
CROP CONSULTANT	Whether or not management decisions (such as amount of water applied to a field, application of herbicides, pest control, rice variety etc) about rice production are influenced by an independent crop consultant
CONVENTIONAL RICE VARIETY	A rice variety such as Cocodrie or Cypress or Presidio
EXTENSION AGENT	Government sponsored agent who disseminate agricultural technical information by talking to farmers, sponsoring demonstrations, field days and meetings
FAILED 2ND CROP	Whether harvest of the rice field was completed or the rice field was abandoned
FARM GAUGE	Sensors installed on fields to transmit rainfall or other weather data to the farmer
FARMED BY OWNER	When the person who farms the land is the landowner
FIELD HAND	Paid labor used on the field to produce the rice crop
FLUSH	Number times irrigation water is applied to the field prior to holding a permanent flood
FUNDING	Whether or not a farmer received cost-sharing or incentive payments for installing/using conservation practices on this field
HYBRID RICE VARIETY	A hybrid rice variety such as rice tech varieties
IN-FIELD LATERAL	Presence of an open canal with a series on inlets controlled by the farmer to release water at multiple points on a field
LEVEE DENSITY	Number of levees used in the field as part of the irrigation system to cascade water from one level to the next; number of levees divided by the size of the field
MANAGEMENT DECISIONS	Decisions on farming practices such as crop variety, pesticides, water use, labor and infrastructure investments
MANAGER	Also called operator; paid worker who makes management decisions regarding rice production
MULTIPLE INLETS	Presence of unmetered multiple inlets on a field; multiple-inlet distribution is the practice of releasing water at multiple points along the side of a field utilizing a field lateral and multiple control structures instead of feeding all water through the highest cut of a rice field and cascading it down through each lower cut.
OWNERSHIP	Ownership stake: does the farmer own, rent, or only work the field
PERIMETER PERMANENT LEVEE	A field that contains permanent levees surrounding the field that are not plowed between growing seasons
PERMANENT FLOOD DATE	When floodwaters are maintained over the entire rice field throughout much of the growing season
PERMANENT LEVEE	Type of system used to apply water to a field; where the field contains permanent levees (e.g. in bench grading) that are not plowed between growing seasons
PLANTING DATE	Date the field was planted
PRECISION LEVEL	Whether or not a field was graded using laser-guided excavation equipment to a uniform slope equal to or less than 2 percent (conforming to minimum NRCS standards)
RENTED FOR CASH	When the person who farms the land is the not the landowner and he/she pays cash to rent the field
SEED RICE VARIETY	Rice that is grown for the purpose of seed production
SHARE RENTED	When the person who farms the land is the not the landowner, the landlord share the crop production from this field
STRAIGHT LEVEE	Fields with 0.1 percent grade, where levees are usually straight or have a slight bending
WELL	Whether or not wells were used to supplement water to irrigate a field
YEAR	Year when a field was in production (crop year)
ZERO GRADE	All slopes are removed; the fields are devoid of internal levees