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DEPT. OF WATER RESOURCES
SOUTHERN REGION

Transfer No. 72670

Receipt No. S028260

5028639

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1**

1. Applicant Information CASSIA CREEK FARMS LLC
PO BOX 580
DANVILLE CA 94526
(925)837-1450

Superseded

Will this transfer result in an ownership change? ☒ No

2. Current Water Right

Part 2 Attached for Each Right

	Origin/Basis	Rate	Volume	Acre Limit	Total Acres	Source
43-2471	WR/License	6.00	1440.0		360.0	GROUND WATER
43-2472	WR/License	7.00	1440.0		360.0	GROUND WATER
43-2475	WR/License	8.50	1,820.0		455.0	GROUND WATER
43-2569	WR/Decreed	4.25	2,070.0		1,008.0	GROUND WATER

3. Purpose of Transfer (Change Proposed)

Part 3A Attached for Each Proposed Right

Part 3B Attached for Each Split Right

Right	Split	POD	POU	Add POD	Period of Use	Nature of Use
43-2471	YES	YES	YES	NO	YES	YES
43-2472	YES	NO	YES	NO	YES	YES
43-2475	YES	YES	YES	NO	YES	YES
43-2569	YES	YES	YES	NO	YES	YES

Describe the reason for the proposed changes

To change a portion of the water rights for a proposed dairy. Remaining water to remain as irrigation rights.

4. FOR CHANGES IN NATURE OF USE ONLY

A. Describe the expected quantity of the return flows and location of discharge after the proposed change

The return flow will be less than 20% of usage and will be land applied at agronomic rates per the state approved NMP.

B. Describe the effects on other water uses resulting from the proposed change

There will be negative impact to water usage because it will be less than or equal to the amount currently being used. There will be benefits from these changes in that there will be additional beneficial uses added for the same amount of water being used.

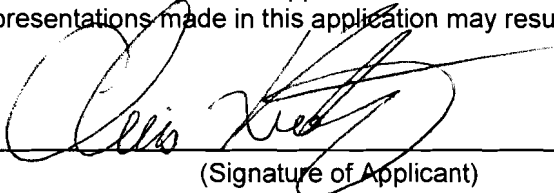
5. Total Amounts Transferred

	Rate	Acre Limit	Total Acres	Volume
43-13433	0.67 cfs			101.6 af
43-13431	4.36 cfs			569.2 af
43-13435	0.47 cfs			63.8 af
43-13437	1.26 cfs			760.0 af
TOTAL	6.76 cfs			837.6 af

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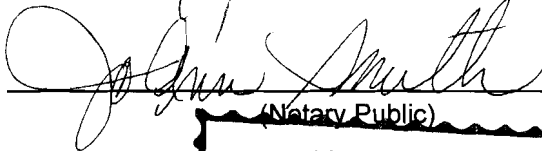
**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1**

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in voiding its approval.


(Signature of Applicant)

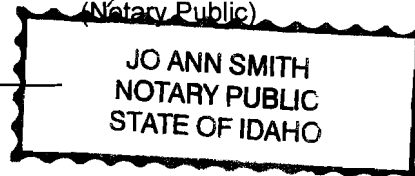
Manager
(Title or Office)

Subscribed and sworn to before me this 9th day of May, 2006.


(Notary Public)

My commission expires

11/03/2006



**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2**

Current Water Right No. 43-2471

Priority Date: July 07, 1959
Origin: Water Right
Basis: Decreed
Status: Active

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	6.00 CFS	1,440.0 AFA	
	Total Diversion	6.00 CFS		

Source and Point(s) of Diversion:

GROUND WATER SENWSW Sec. 1 Twp 11S Rge 26E CASSIA County

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	26E	1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	360.0
			L 1	L 2			L 3	L 4											

Total Acres: 360

Conditions/Remarks:

1. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1364 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS. 43-2471, 43-2472, 43-2475, 43-2569, & 43-4199
2. This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.
3. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 13.00 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3312 AF. COMBINED RIGHT NOS.: 43-2471, 43-2472, & 43-4199.
4. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 25.75 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 5456 AF. COMBINED RIGHT NOS. 43-2471, 43-2472, 43-2475, 43-2569, and 43-4199

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Documentation of Ownership of the Current Place of Use
IDWR Records

Is this property subject to any liens, deeds of trust, mortgages, or contracts or other encumbrances?
NO

Describe the effect on the current place of use for this water right if the place of use is changed pursuant to this transfer

A portion of this land will be converted to freestall barns and dry lots for dairy cattle. A milk parlor will be built on a portion. An effluent system and digester will be built on a portion. The remainder will continue to be irrigated for crops. 40 acres will be dried up.

To your knowledge, has any portion of the water right undergone a period of five(5) or more consecutive years of non-use?
NO

Transfer No. 72670
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**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2**

Current Water Right No. 43-2472

Priority Date: July 07, 1959
Origin: Water Right
Basis: Decreed
Status: Active

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	7.00 CFS	1,440.0 AFA	
	Total Diversion	7.00 CFS		

Source and Point(s) of Diversion:

GROUND WATER SWNESE Sec. 1 Twp 11S Rge 26E CASSIA County

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE					
11S	26E	1																	38.0			35.0	73.0
11S	27E	6					40.0	40.0	40.0		40.0	44.0	43.0	40.0									287.0
							L 3	L 4	L 5			L 6	L 7										

Total Acres: 360

Conditions/Remarks:

1. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 13.00 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3312 AF. COMBINED RIGHT NOS.: 43-2471, 43-2472, & 43-4199.
2. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1364 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS. 43-2471, 43-2472, 43-2475, 43-2569, & 43-4199
3. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 25.75 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 5456 AF. COMBINED RIGHT NOS. 43-2471, 43-2472, 43-2475, 43-2569, and 43-4199
4. This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

Documentation of Ownership of the Current Place of Use

IDWR Records

Is this property subject to any liens, deeds of trust, mortgages, or contracts or other encumbrances?

NO

Describe the effect on the current place of use for this water right if the place of use is changed pursuant to this transfer

A portion of this land will be converted to freestall barns and dry lots for dairy cattle. A milk parlor will be built on a portion. An effluent system and digester will be built on a portion. The remainder will continue to be irrigated for crops. 224.1 acres will be dried up.

To your knowledge, has any portion of the water right undergone a period of five(5) or more consecutive

NO

Transfer No. 72670
Receipt No.S028260

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2**

Current Water Right No. 43-2475

Priority Date: July 07, 1959
Origin: Water Right
Basis: Decreed
Status: Active

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	8.50 CFS	1,820.0 AFA	
Total Diversion		8.50 CFS	1,820.0 AFA	

Source and Point(s) of Diversion:

GROUND WATER L2 (NWNWNE) Sec. 6 Twp 11S Rge 27E CASSIA County

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10S 27E 31															35.0	20.0	55.0
11S 27E 5									40.0	40.0							80.0
11S 27E 6	40.0	40.0	40.0	40.0									40.0	40.0	40.0	40.0	320.0
	L 1	L 2															

Total Acres: 455

Conditions/Remarks:

1. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1063 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS. 43-2475 AND 43-2569
2. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 25.75 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 5456 AF. COMBINED RIGHT NOS. 43-2471, 43-2472, 43-2475, 43-2569, and 43-4199
3. This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.
4. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3890 AF. COMBINED RIGHT NOS. 43-2475 and 43-2569

5. USE OF THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 1364 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS. 43-2471, 43-2472, 43-2475, 43-2569, & 43-4199

Documentation of Ownership of the Current Place of Use

IDWR Records

Is this property subject to any liens, deeds of trust, mortgages, or contracts or other encumbrances?
NO

Describe the effect on the current place of use for this water right if the place of use is changed pursuant to this transfer

A portion of this land will be converted to freestall barns and dry lots for dairy cattle. A milk parlor will be built on a portion. An effluent system and digester will be built on a portion. The remainder will continue to be irrigated for crops. 25.1 acres will be dried up.

To your knowledge, has any portion of the water right undergone a period of five(5) or more consecutive years of non-use?
NO

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Receipt No.S028260

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2**

Current Water Right No. 43-2569

Priority Date: September 04, 1963
Origin: Water Right
Basis: Decreed
Status: Active

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	4.25 CFS	2,070.0 AFA	
	Total Diversion	4.25 CFS	2,070.0 AFA	

Source and Point(s) of Diversion:

GROUND WATER SWSWSW Sec. 32 Twp 10S Rge 27E CASSIA County

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	26E	1	40.0	12.0	39.0	40.0				22.0	40.0	2.0		13.0	38.0	36.0	2.0	35.0	319.0
			L 1	L 2															
11S	27E	5									40.0	40.0							80.0
11S	27E	6	40.0	40.0	40.0	40.0	40.0	40.0	24.0	40.0	36.0	34.0	35.0	40.0	40.0	40.0	40.0	40.0	609.0
			L 1	L 2			L 3	L 4	L 5			L 6	L 7						

Total Acres: 1008

Conditions/Remarks:

- Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
- Rights 43-2475, and 43-2569 when combined shall not exceed a total annual maximum diversion volume of 3890.0 af at the field headgate, and the irrigation of 1063 acres.
- Rights 43-2471, 43-2472, 43-2475, 43-2569, and 43-4199 when combined shall not exceed a total diversion rate of 25.75 cfs, a total annual maximum diversion volume of 5456.0 af at the field headgate, and the irrigation of 1364 acres.
- This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the lands above.

5. After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
6. The right holder shall accomplish the change authorized by this transfer within one year of the date of this approval.
7. Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
8. Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.

Documentation of Ownership of the Current Place of Use
IDWR Records

Is this property subject to any liens, deeds of trust, mortgages, or contracts or other encumbrances?
NO

Describe the effect on the current place of use for this water right if the place of use is changed pursuant to this transfer

A portion of this land will be converted to freestall barns and dry lots for dairy cattle. A milk parlor will be built on a portion. An effluent system and digester will be built on a portion. The remainder will continue to be irrigated for crops. 299.2 acres will be dried up.

To your knowledge, has any portion of the water right undergone a period of five(5) or more consecutive years of non-use?
NO

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**IDAHO DEPARTMENT OF WATER RESOURCES
 APPLICATION FOR TRANSFER OF WATER RIGHT
 PART 3A**

Proposed Water Right No. 43-13433

Priority Date: July 07, 1959

Origin:

Basis: Decreed

Status: Pending
 Transfer

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
COMMERCIAL	01/01 12/31	0.67 CFS	101.6 AFA	Dairy
STOCKWATER	01/01 12/31	0.67 CFS	101.6 AFA	Dairy
Total Diversion		0.67 CFS	101.6 AFA	

Source and Point(s) of Diversion:

GROUND WATER SWNESE Sec. 1 Twp 11S Rge 26E CASSIA County

Describe the proposed diversion system

Point of Diversion # 1 System will use existing irrigation pump to fill storage tank and from there it will be piped to parlor and digester for commercial use and watering troughs for stockwater.

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S 27E 6							X	X									
							L 5										

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S 26E 1	X			X									X				
11S 27E 6					X	X	X	X	X	X							
					L 3	L 4	L 5				L 6						

Proposed Water Right No. 43-13431

Origin:

Status: Pending

Transfer

Source: GROUND WATER

Source and Point(s) of Diversion:

GROUND WATER **SWNESE** **Sec. 1 Twp 11S Rge 26E CASSIA County**

Point of Diversion # 1 System will use existing irrigation pump to fill storage tank and from there it will be piped to parlor and digester for commercial use and watering troughs for stockwater.

Twp	Rge	Sec	NE				NW				SW				SE				<u>Totals</u>
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
11S	26E	1	X			X									X				
11S	27E	6					X	X	X	X	X	X							
				L 3			L 4	L 5				L 6							

[illegible]

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 3A**

Proposed Water Right No. 43-13435

Priority Date: July 07, 1959

Origin:

Basis: Decreed

Status: Pending
Transfer

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
COMMERCIAL	01/01 12/31	0.47 CFS	63.8 AFA	Dairy
STOCKWATER	01/01 12/31	0.47 CFS	63.8 AFA	Dairy
	Total Diversion	0.47 CFS	63.8 AFA	

Source and Point(s) of Diversion:

GROUND WATER SWNESE Sec. 1 Twp 11S Rge 26E CASSIA County

Describe the proposed diversion system

Point of Diversion # 1 System will use existing irrigation pump to fill storage tank and from there it will be piped to parlor and digester for commercial use and watering troughs for stockwater.

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	27E	6							X	X									
									L 5										

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	26E	1				X											X		
11S	27E	6					X	X	X	X	X	X							
							L 3	L 4	L 5			L 6							

Proposed Water Right No. 43-13437

Origin:

Basis:	Decreed
Status:	Pending Transfer

Source: GROUND WATER

Source and Point(s) of Diversion:

GROUND WATER **SWNESE** **Sec. 1 Twp 11S Rge 26E CASSIA County**

Point of Diversion # 1 System will use existing irrigation pump to fill storage tank and from there it will be piped to parlor and digester for commercial use and watering troughs for stockwater.

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
11S	26E	1				X												X	
11S	27E	6					X	X	X	X			X	X					

[illegible]

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**IDAHO DEPARTMENT OF WATER RESOURCES
 APPLICATION FOR TRANSFER OF WATER RIGHT
 PART 3B**

PORTION OF RIGHT No. 43-2471 BEING TRANSFERRED

Priority Date: July 07, 1959

Origin:

Basis: Decreed

Status: Pending
 Transfer

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	0.67 CFS	101.6 AFA	
Total Diversion		0.67 CFS	101.6 AFA	

Source and Point(s) of Diversion:

GROUND WATER SENWSW Sec. 1 Twp 11S Rge 26E CASSIA County

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	26E	1	19.8			20.2													40.0
			L 1																

Total Acres: 40

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**IDAHO DEPARTMENT OF WATER RESOURCES
 APPLICATION FOR TRANSFER OF WATER RIGHT
 PART 3B**

PORTION OF RIGHT No. 43-2472 BEING TRANSFERRED

Priority Date: July 07, 1959

Origin:

Basis: Decreed

Status: Pending
 Transfer

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	4.36 CFS	569.2 AFA	
	Total Diversion	4.36 CFS	569.2 AFA	

Source and Point(s) of Diversion:

GROUND WATER SWNESE Sec. 1 Twp 11S Rge 26E CASSIA County

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	26E	1													20.1				20.1
11S	27E	6					40.0	40.0	40.0		40.0	44.0							204.0
							L 3	L 4	L 5		L 6								

Total Acres: 224.1

Transfer No. 72670
 Receipt No.S028260

**IDAHO DEPARTMENT OF WATER RESOURCES
 APPLICATION FOR TRANSFER OF WATER RIGHT
 PART 3B**

PORTION OF RIGHT No. 43-2475 BEING TRANSFERRED

Priority Date: July 07, 1959

Origin:

Basis: Decreed

Status: Pending
 Transfer

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	0.47 CFS	63.8 AFA	
Total Diversion		0.47 CFS	63.8 AFA	

Source and Point(s) of Diversion:

GROUND WATER L2 (NWNWNE) Sec. 6 Twp 11S Rge 27E CASSIA County

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S 27E 6		6.8	8.1											10.2			25.1
		L 2															

Total Acres: 25.1

Transfer No. 72670
Receipt No. S028260

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 3B**

PORTION OF RIGHT No. 43-2569 BEING TRANSFERRED

Priority Date: September 04, 1963

Origin:

Basis: Decreed

Status: Pending
Transfer

Source: GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>	<u>Subuse Code</u>
IRRIGATION	03/15 11/15	1.26 CFS	760.0 AFA	
Total Diversion		1.26 CFS	760.0 AFA	

Source and Point(s) of Diversion:

GROUND WATER SWSWSW Sec. 32 Twp 10S Rge 27E CASSIA County

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	26E	1	19.8			20.2											20.1		60.1
			L 1																
11S	27E	6		6.8	8.1		40.0		24.0	40.0	36.0	34.0					10.2		199.1
				L 2			L 3		L 5			L 6							

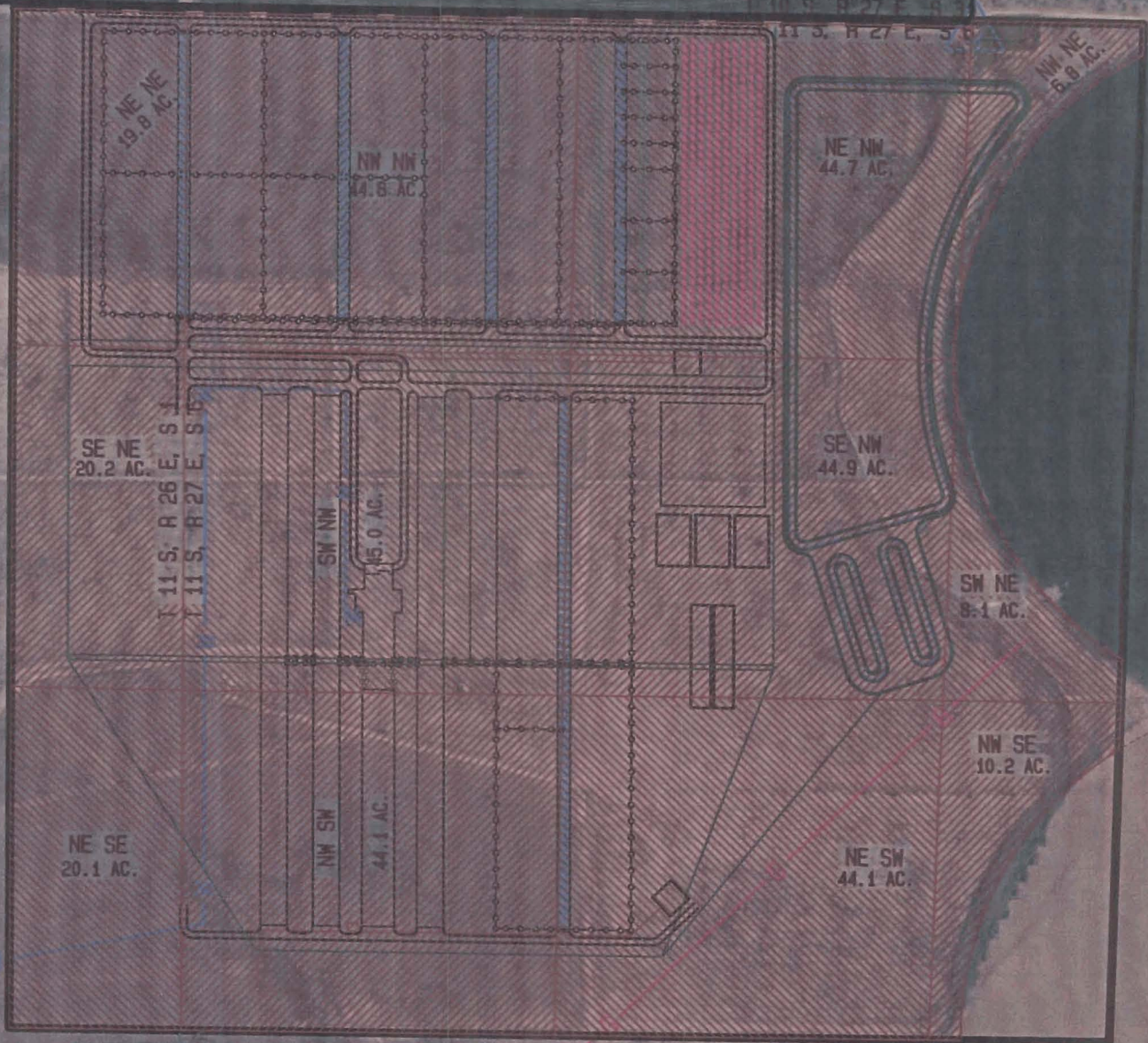
Total Acres: 299.2

NOTES:

BACKGROUND IMAGERY IS 2004 NAIP PHOTOGRAPHY.

SECTION LINES AND SUBDIVISIONS ARE A COMPILATION OF RECORD INFORMATION AND THE ELM-GCDB AND DO NOT REPRESENT THE RESULTS OF A BOUNDARY SURVEY.

IRRIGATED AREAS FOR WATER TRANSFER WERE SCALED FROM 4-FOOT IMAGE RESOLUTION DIGITAL NAIP PHOTOGRAPHY AND GCDB / RECORD SECTION SUBDIVISION LINES.



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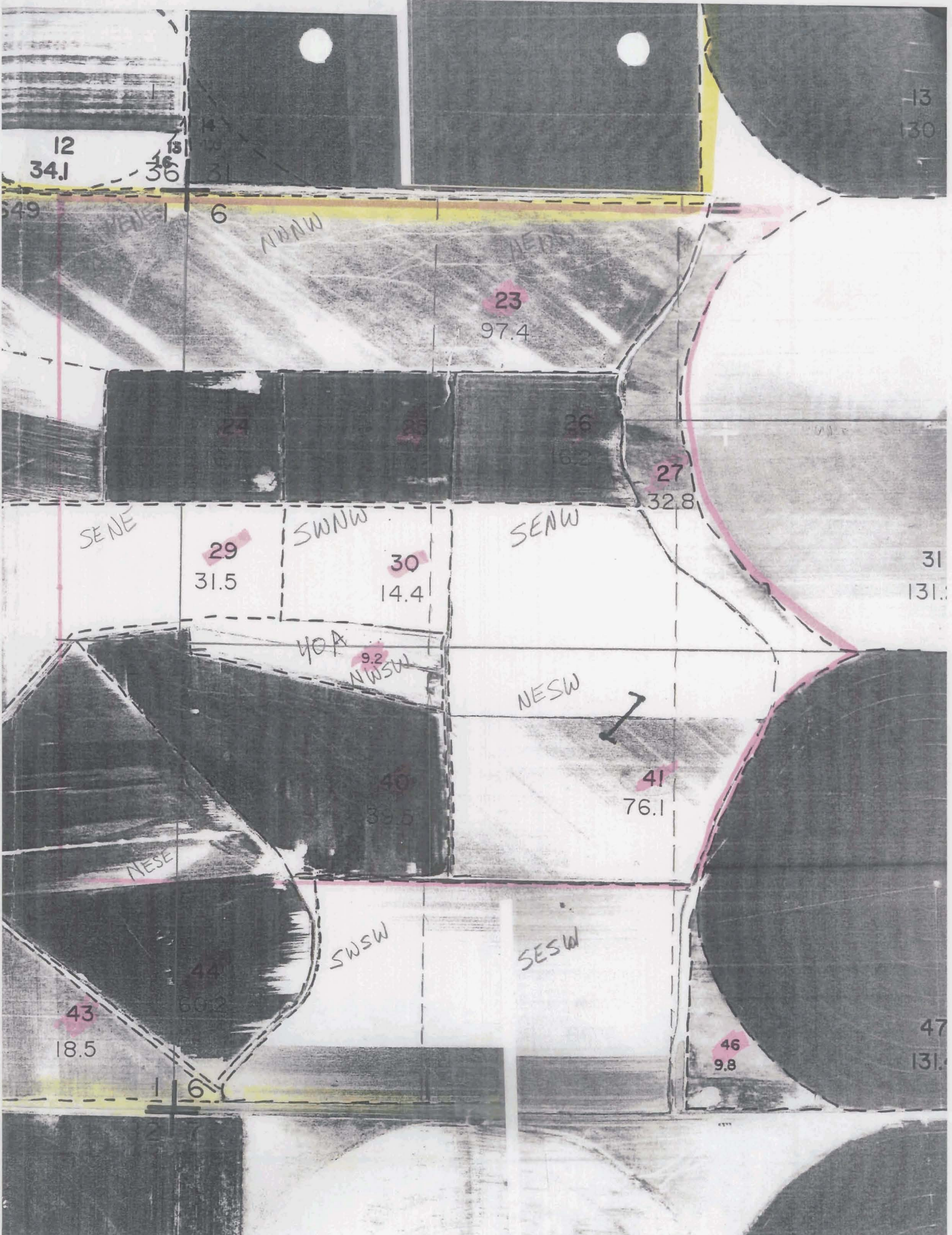


Remedial, ID

322.8

CASSIA CREEK FARMS DAIRY CASSIA COUNTY, IDAHO WATER TRANSFER MAP

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3/13/2006, 7: 33: 56PM



FILE NUMBER 36-00000
REVIEWER MSP
DATE December 13, 2005

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE 9999
NUMBER OF DRY CATTLE 3300
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS 3000
3-4 MONTHS 3000
5-9 MONTHS 3000
9-12 MONTHS 2000
13-15 MONTHS 2000
16-24 MONTHS 2000
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING,
OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS 3
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN 20
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) 5.00
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) 600
NUMBER OF MILKINGS PER DAY 2
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) 80
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? N
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? 12.0
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? 12.0
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? 12.0
IS A PLATE COOLER USED? Y
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE
COOLER, LEAVE BLANK) Y
ARE CORRAL MISTERS USED IN HOLDING PEN? Y
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN,
ASSUME 1 MISTER FOR EVERY 5 COWS) 200
NOZZLE DISCHARGE (USE 5 GPM IF UNKNOWN) 5.00
SPRAY INTERVAL (EX - 2 MIN ON EVERY 5 MIN = 2/5) ##
OPERATION TIME OF MISTERS (HRS/DAY) 600
DAYS PER YEAR MISTERS ARE USED 60
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT
INDIVIDUALLY CALCULATED BELOW (EX. - RESTROOMS, WASHING MACHINES) 1000

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER
MILKING CATTLE (BASED ON MILK PRODUCTION) ****
DRY CATTLE @17.0 GPD/HD ****
REPLACEMENT CATTLE ****
TOTAL 915 gpm 2.04
COMMERCIAL
TOTAL 2.04
TOTAL DIVERSION RATE 2.04

DIVERSION VOLUME (AFA):

STOCKWATER 369.2
MILKING CATTLE ****
DRY CATTLE 49.8
REPLACEMENT CATTLE 92.9
TOTAL **** 512
COMMERCIAL
WASHING OF BULK TANK AND RELATED EQUIPMENT 0.4
BACKFLUSH 11.2
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP 2.0
CATTLE WASHING BASED UPON METHOD OF WASHING 67.2
PLATE COOLER 0.0
CORRAL MISTERS 44.2
MISCELLANEOUS USES 1.1
TOTAL 126.2 ****
TOTAL DIVERSION VOLUME 638.2 ****

CONSUMPTIVE USE VOLUME (AFA)(assuming 100% consumptive):

STOCKWATER 512 ****
COMMERCIAL 126.2 ****
TOTAL CONSUMPTIVE USE 638.2 ****

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

	PUMP 1	PUMP 2	PUMP 3	PUMP 4	PUMP 5
PUMP HORSEPOWER (HP)	25.00		0.00	0.00	0.00
PUMP EFFICIENCY (%)	70		70	70	70
LIFT (FT)	230		0	0	0
DISCHARGE PRESSURE (PSI)	40		0	0	0
FRICTION LOSSES (FT)	3.0		0.0	0.0	0.0
HOURS PER DAY PUMP OPERATES	12.0		0.0	0.0	0.0

CALCULATIONS

THEORETICAL FLOW RATE (CFS) *	0.47	0.00	0.00	0.00	0.00
DIVERSION VOLUME (AFA) **	171.3	0.0	0.0	0.0	0.0

* IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.

** DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR.

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE	15.50 CFS
ACRES OF IRRIGATION	815.0 ACRES
DIVERSION VOLUME	4.0 AC-FT/AC
CONSUMPTIVE USE VOLUME	3.0 AC-FT/AC
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR BOTH (B)?	B

CALCULATIONS

IRRIGATION DIVERSION RATE PER ACRE	0.019 CFS/AC
REDUCTION OF IRRIGATION BASED ON DIVERSION RATE	107.3 ACRES
REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME	158.8 ACRES
REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE	212.7 ACRES

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REPORT OF ACREAGE

PROGRAM YEAR 1998

DATE: 05-08-2006

Farm Number	Tract Number	Field Num ID	Irr Prc	Crop	Var/ Type	Int Use	Reported Acreage	Determined Acreage	Planting Date	Prod Share	Prod Name
2193	8649	~~X~~ 28	Ir	ALFAL		Hay	78.60			1.0000	J R SIMPLOT CO
		~~X~~ 29	Ir	ALFAL		Hay	31.50			1.0000	J R SIMPLOT CO
		~~X~~ 30	Ir	ALFAL		Hay	14.40			1.0000	J R SIMPLOT CO
		31	Ir	GRASS	BLK	Seed	131.20			1.0000	J R SIMPLOT CO
		32	Ni	GRASS	WCR	Graze	14.90			1.0000	J R SIMPLOT CO
		33	Ni	GRASS	WCR	Graze	9.50			1.0000	J R SIMPLOT CO
		34	Ir	HAYMX	SMG	Hay	137.70			1.0000	J R SIMPLOT CO
		35	Ni	GRASS	WCR	Graze	25.10			1.0000	J R SIMPLOT CO
		36	Ir	GRASS	BLK	Seed	134.70			1.0000	J R SIMPLOT CO
		37	Ni	GRASS	WCR	Graze	8.20			1.0000	J R SIMPLOT CO
		38	Ni	GRASS	WCR	Graze	7.90			1.0000	J R SIMPLOT CO
		~~39~~	Ir	ALFAL		Hay	49.60			1.0000	J R SIMPLOT CO
		~~X~~ 40	Ir	GRASS	ORG	Graze	39.50			1.0000	J R SIMPLOT CO
		~~X~~ 41	Ir	ALFAL		Hay	76.10			1.0000	J R SIMPLOT CO
		42	Ir	BARLY	SPR	Grain	64.30			1.0000	J R SIMPLOT CO
		43	Ir	ALFAL		Hay	18.50			1.0000	J R SIMPLOT CO
		~~X~~ 44	Ir	GRASS	ORG	Graze	60.20			1.0000	J R SIMPLOT CO
		45	Ir	BARLY	SPR	Grain	66.40			1.0000	J R SIMPLOT CO
		~~46~~	Ni	GRASS	WCR	Graze	9.80			1.0000	J R SIMPLOT CO
		47	Ir	ALFAL		Hay	131.40			1.0000	J R SIMPLOT CO
		48	Ni	GRASS	WCR	Graze	6.90			1.0000	J R SIMPLOT CO
		49	Ni	GRASS	WCR	Graze	33.80			1.0000	J R SIMPLOT CO
		50	Ir	ALFAL		Hay	514.10			1.0000	J R SIMPLOT CO
		51	Ni	GRASS	WCR	Graze	28.40			1.0000	J R SIMPLOT CO
		52	Ni	GRASS	WCR	Graze	8.80			1.0000	J R SIMPLOT CO
		53	Ir	HAYMX	SMG	Hay	139.10			1.0000	J R SIMPLOT CO
		54	Ni	GRASS	WCR	Graze	12.20			1.0000	J R SIMPLOT CO
		55	Ir	ALFAL		Hay	133.60			1.0000	J R SIMPLOT CO
		56	Ni	GRASS	WCR	Graze	4.10			1.0000	J R SIMPLOT CO
		57	Ni	GRASS	WCR	Graze	5.50			1.0000	J R SIMPLOT CO
		58	Ni	OTHER			5.50			1.0000	J R SIMPLOT CO
		59	Ni	CRP		1	19.60			1.0000	J R SIMPLOT CO