

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 83182
RECEIVED

MINIMUM REQUIREMENTS CHECKLIST
TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

JAN 25 2019

An application for transfer must be prepared in accordance with the minimum requirements listed below to be acceptable for processing by the Department. Incomplete applications will be returned. The instructions, fee schedule, Part 2A reports and additional Part 2B forms are available from any Department office or on the Department's website at idwr.idaho.gov.

Name of Applicant(s) HIGH PLAINS LAND & LIVESTOCK LLC

Check whether each item below is *attached* (Yes) or *not applicable* (N/A) for the proposed transfer.

Yes N/A * Means the item is always required and must be included with the application.

- ☒ * Completed Application for Transfer of Water Right form, Part 1.
- ☒ * Signature of applicant(s) or applicant's authorized representative on Application for Transfer Part 1. Include evidence of authority labeled Attachment #3 (see below) if signed by representative.
- ☒ * Application for Transfer Part 2A. Attach a [Part 2A](#) report describing each water right in the transfer as currently recorded.
- ☒ ☐ Complete and attach an Application for Transfer [Part 2B](#) for each water right for which only a portion is proposed to be changed through this transfer application.
- ☒ * Application for Transfer Part 3A is always required (see Attachment #7a below); Parts 3B and 3C must be completed for transfer applications proposing to change the nature of use of the water right(s) or proposing changes to supplemental right(s).
- ☒ * Correct fee submitted with transfer application form. ([Fee schedule](#) is on website and instructions for application for transfer.)

Attachments to Application - Label each attachment with the corresponding number shown below as Attachment #1-10.

- ☐ ☒ #1 If the applicant is a business, partnership, organization, or association, and not currently registered in the State of Idaho as a business entity, attach documentation identifying officers authorized to sign or act on behalf of right holder. (See Part 1.)
- ☐ ☒ #2a Water Right ownership documentation if Dept. records do not show the applicant as the current water right owner. **
- ☐ ☒ #2b If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). **
** Additional fee(s) required for water right ownership changes; see fee schedule.
- ☐ ☒ #3 Documentation of authority to make the change if the applicant is not the water right owner.
- ☐ ☒ #4 Power of Attorney or documentation providing authority to sign or act on the applicant's behalf. (See Part 1.)
- ☐ ☒ #5 If the transfer application proposes to change the point of diversion for a water right affecting the Eastern Snake Plain Aquifer (ESPA), attach the results of an ESPA analysis and a detailed mitigation plan to offset any depletions to hydraulically connected reaches of the Snake River. ESPA transfer spreadsheet and model grid labeled cells are available on the Department's website at idwr.idaho.gov/water-rights/transfers/resources.html.
- ☒ ☐ #6 Notarized statement of agreement or a statement on official letterhead signed by an authorized representative from each lien holder or other entity with financial interest in the water right(s) or land affected by the proposed transfer. (See Part 1.5.c.)
- ☒ * #7a Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described on the application. Include legal description labels. If only a portion of the right is proposed to be changed, identify the current location of the part of the existing right(s) proposed to be changed. (See Part 3A.)
- ☒ ☐ #7b If the transfer application proposes to change the place or purpose of use of an irrigation right attach a Geographic Information System ([GIS](#)) shape file, or an aerial photo or other image clearly delineating the location and extent of existing acres and changes to the place of use. If some or all of any right is leased to the Water Supply Bank, you must also show the the specific location and/or acres to be idled at the new, proposed place of use to satisfy lease requirements.
- ☒ ☐ #8a If the transfer application proposes to change the nature of use or period of use for one or more rights, provide documentation describing the extent of historic beneficial use for the water rights proposed to be transferred and document how enlargement will be avoided. (See Part 3B.) Additional fee required for proposed changes to nature of use; see [fee schedule](#).
- ☐ ☒ #8b If the transfer application proposes to change the place of use of a supplemental irrigation right, provide documentation regarding the historic use of the supplemental right(s) and availability or reliability of the primary right(s) being supplemented, both before and after the proposed change. (See Part 3C.)
- ☐ ☒ #9 Water Supply Bank information for all rights proposed for transfer and currently leased to the Bank. ([Attachment WSB](#))
- ☒ ☐ #10 Other. Please describe: Water rights split worksheet

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED

JAN 25 2019

DEPT. OF WATER RESOURCES
DIVISION OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1

Name of Applicant(s) HIGH PLAINS LAND & LIVESTOCK LLC Phone _____
Mailing address P.O. Box 1428 Twin Falls, ID 83303 Email _____

- ☐ If applicant is not an individual and not registered to do business in the State of Idaho, attach documentation identifying officers authorized to sign or act on behalf of the applicant. Label it **Attachment #1**.
- ☐ Attach water right ownership documentation if Department records do not show the transfer applicant as the current water right owner. Label it **Attachment #2a**.
- ☐ If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). Label it **Attachment #2b**.
- ☐ Attach documentation of authority to make the proposed change if the applicant is not the water right owner. Label it **Attachment #3**.

Provide contact information below if a consultant, attorney, or any other person is representing the applicant in this transfer process.

☐ No Representative

Name of Representative T. S. K. Enterprises (Gary Funderburg) Phone (208) 320-0897
Mailing address PMB 617 255 Blue Lakes Blvd. N. Twin Falls, ID 83301 Email tskenterpiseh2o@gmail.com

- ☐ Send all correspondence for this application to the representative and not to the applicant.
OR
- ☒ Send original correspondence to the applicant and copies to the representative.
- ☒ The representative may submit information for the applicant but is not authorized to sign for the applicant.
OR
- ☐ The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation providing authority to sign for the applicant and label it **Attachment #4**.

I hereby assert that no one will be injured by the proposed changes and that the proposed changes do not constitute an enlargement in use of the original right(s). 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 rejection of the application or cancellation of an approval.


Signature of Applicant or Authorized Representative

DAVID C GAUDIN
Print Name and Title if applicable

Jan 15-19
Date

Signature of Applicant or Authorized Representative

Print Name and Title if applicable

Date

A. PURPOSE OF TRANSFER

- ☒ Change point of diversion ☐ Add diversion point(s) ☒ Change place of use
☒ Change nature of use ☒ Change period of use ☒ Other Split rights
- Is this a transfer for changes pursuant to Idaho Code § 42-221.0.8?
If yes, ☐ attach an explanation and any supporting documentation labeled as **Part 1A.2**.
- Describe your proposal in narrative form, including a detailed description of non-irrigation uses to justify amounts transferred (i.e. number of stock, etc.), and provide additional explanation of any other items on the application. Attach additional pages if necessary and label it **Part 1A.3**.
This transfer seeks to dry up a portion of irrigated lands and change the nature of use of the water for additional stock water from a well associated with existing water rights 47-17504 & 47-17505.

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES**

**APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1 Continued**

B. DESCRIPTION OF RIGHTS AFTER THE REQUESTED CHANGES. IF THE RIGHTS ARE BEING SPLIT, DESCRIBE PORTIONS TO BE CHANGED AS THEY WOULD APPEAR AFTER THE REQUESTED CHANGES.

1.	<u>Right Number</u>	<u>Amount</u> (cfs/ac-ft)	<u>Nature of Use</u>	<u>Period of Use</u>	<u>Source & Tributary</u>
All or Part ☐ ☒	47-2382	0.04/23.9	Stock Water	01/01 to 12/31	Ground Water
☐ ☒	47-17506	0.012/7.7	Stock Water	01/01 to 12/31	Ground Water
☐ ☒	47-17507	0.014/9.1	Stock Water	01/01 to 12/31	Ground Water
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	

Total authorized under rights 0.06 cfs and/or 33.0 acre-feet.

2. Total amount of water proposed to be transferred or changed 0.06 cubic feet per second and/or 33.0 acre-feet per year.

3. Point(s) of Diversion:

- ☐ No changes to point(s) of diversion are proposed - the following chart is therefore not completed. (Proceed to #4.)
☐ Attach Eastern Snake Plain Aquifer analysis if this transfer proposes to change a point of diversion affecting the ESPA.
 Label it **Attachment #5**.

New ?	Lot	¼	¼	¼	Sec	Twp	Rge	County	Source	Local name or tag #
no		NW	SE	SE	18	09S	13E	Twin Falls	Ground Water	Extg. 47-17504, 17505

4. Place of use: (If irrigation, identify with number of acres irrigated per ¼ ¼ tract.)

- ☐ No changes to place of use are proposed - the following chart is therefore not completed. (Proceed to #5.)

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Acre Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
9S	13E	18													S	S			S
Total Acres (for irrigation use)																			S

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

**APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1 Continued**

5. General Information:

- a. Describe the complete diversion system, including how you will accommodate a measuring device and lockable controlling works should they be required now or in the future:
This portion of combined rights 47-2382, 47-17506 & 47-17507 will be diverted from and used in combination with existing well and flow measurement devices currently authorized under rights 47-17504 & 47-17505.
- b. Who owns the property at the point(s) of diversion? Applicant
 If other than the applicant, describe the arrangement enabling the applicant to access the property for the diversion system:

- c. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?
If yes, ☒ attach a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes on official letterhead signed by an authorized representative. Label it **Attachment #6. List the name of the entity and type of lien:** _____

- It is the applicant's responsibility to provide notice to lien holder, trustee, mortgagor, or contract holder of the proposed changes that may impact or change the value of the water rights or affected real property. Any misrepresentation of legal encumbrance on this application may result in rejection of the application or cancellation of an approval.
- d. Are any of the water rights proposed for transfer currently leased to the Water Supply Bank?
If yes, ☐ complete Attachment WSB.
- e. Describe the effect on the land now irrigated if the place or purpose of use is changed pursuant to this transfer:
Land at the existing location will no longer be irrigated to offset the additional stock and commercial consumptive use at the new location.
- f. Describe the use of any other water right(s) for the same purpose or land, or the same diversion system as right(s) proposed to be transferred at both the existing and proposed point(s) of diversion and place(s) use:
The remaining portions of water rights 47-2382, 47-17506 & 47-17507 will continue to be used. This transfer will provide additional consumptive volume for stock water from the nearby well currently authorized by water rights 47-17504 and 47-17505
- g. To your knowledge, has/is any portion of the water right(s) proposed to be changed:
Yes No
☐ ☒ undergone a period of five or more consecutive years of non-use,
☐ ☒ currently leased to the Water Supply Bank,
☐ ☒ currently used in a mitigation plan limiting the use of water under the right, or
☐ ☒ currently enrolled in a Federal set-aside program limiting the use of water under the rights?

If yes, describe:



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WATER RIGHT REPORT

1/4/2019

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report

WATER RIGHT NO. 47-2382

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	HIGH PLAINS LAND & LIVESTOCK LLC PO BOX 780 CASTLEFORD, ID 83321
Directors Report Owner	DAVID GANDOLFO
Directors Report Owner	JAYME GANDOLFO PO BOX 780 CASTLEFORD, ID 83321
Original Owner	DOUG J MARSHALL
Original Owner	WAYNE R MARSHALL PO BOX 743 CASTLEFORD, ID 83321 2087333983
Security Interest	MC FINNEY AGRI FINANCE LLC PO BOX 1598 TWIN FALLS, ID 83303-1598 (208) 734-6622

Priority Date: 12/13/1963

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	03/15	11/15	1.34 CFS	568.4 AFA
Total Diversion			1.34 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SENWSE|Sec. 18|Township 09S|Range 13E|TWIN FALLS County

IRRIGATION Use:

Acre Limit: 225.1

Place(s) of use:

Place of Use Legal Description: IRRIGATION TWIN FALLS County

<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
09S	13E	17		SWSW 40										
		18		NESW 32.9			SESW 32.4							
				NESE 20.1			NWSE 30.7			SWSE 32.3			SESE 36.7	

Total Acres: 225.1

Conditions of Approval:

- 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.
1. C18 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 use power records to determine the amount of water diverted and shall annually report the information to the Department.
2. 01M Rights 47-2382, 47-17506, and 47-17507 when combined shall not exceed a total diversion rate of 2.42 cfs, a total annual maximum diversion volume of 785.2 af at the field headgate.
3. X27 This right is limited to the irrigation of 225.1 acres within the place of use described above in a single irrigation season.
4. R64 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. 205 The approval of this transfer redefines all of the elements of this water right, and the new use of water authorized by this approval shall constitute the full extent of the right.
6. T07 The right holder shall accomplish the change authorized by this transfer within 1 year of the date of this approval.
7. T08 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. E55 Right Nos. 47-2382, 51-13052 and 51-13054 are limited to the irrigation of a combined total of 225.1 acres in a single irrigation season.

Dates:

Licensed Date:

Decreed Date: 10/15/2009

Permit Proof Due Date:

Permit Proof Made Date:

Permit Approved Date:

Permit Moratorium Expiration Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date:

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal: S

Owner Name Connector:

Water District Number:

Generic Max Rate per Acre:

Generic Max Volume per Acre:

Civil Case Number:

Old Case Number:

Decree Plaintiff:

Decree Defendant:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False



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WATER RIGHT REPORT

1/4/2019

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report

WATER RIGHT NO. 47-17506

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	HIGH PLAINS LAND & LIVESTOCK LLC PO BOX 780 CASTLEFORD, ID 83321
Original Owner	MELVIN J MC CLAIN 411 E MAIN ST BUHL, ID 83316
Original Owner	CHESTER W MC CLAIN 411 E MAIN ST CASTLEFORD, ID 83321
Original Owner	DOUG J MARSHALL
Original Owner	WAYNE R MARSHALL PO BOX 743 CASTLEFORD, ID 83321 2087333983
Original Owner	DAVID GANDOLFO
Original Owner	JAYME GANDOLFO PO BOX 780 CASTLEFORD, ID 83321
Security Interest	MC FINNEY AGRI FINANCE LLC PO BOX 1598 TWIN FALLS, ID 83303-1598 (208) 734-6622

Priority Date: 11/21/1960

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	03/15/11/15	0.59 CFS	183.6 AFA
Total Diversion		0.59 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SENWSE|Sec. 18|Township 09S|Range 13E|TWIN FALLS County

IRRIGATION Use:

Acre Limit: 45.9

Place(s) of use:

Place of Use Legal Description: IRRIGATION TWIN FALLS County

Township	Range	Section	Lot	Tract Acres	Lot	Tract Acres	Lot	Tract Acres	Lot	Tract Acres
09S	13E	17		SWSW 40						
		18		NESW 32.9	SESW 32.4					
				NESE 20.1	NWSE 30.7	SWSE 32.3	SESE 36.7			

Total Acres: 225.1

Conditions of Approval:

1. T07 The right holder shall accomplish the change authorized by this transfer within 1 year. of the date of this approval.
2. Rights 47-2382, 47-17506, and 47-17507 when combined shall not exceed a total diversion rate of 2.42 cfs, a total annual maximum diversion volume of 785.2 af at the field headgate, and the irrigation of 225.1 acres.
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.
3. T19 This right is limited to the irrigation of 45.9 acres within the place of use described above in a single irrigation season.
4. X27 Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
5. T08 Rights 47-17506 and 47-17507 when combined shall not exceed a total diversion rate of 1.08 cfs , a total annual maximum diversion volume of 216.8 af at the field headgate, and the irrigation of 54.2 acres.
6. X35 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 use power records to determine the amount of water diverted and shall annually report the information to the Department.
7. 01M 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.
8. R64

Dates:

Licensed Date:

Decreed Date: 09/28/2007

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date:

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal:

Owner Name Connector:

Water District Number:

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4

Combined Acres Limit: 54.2

Combined Volume Limit: 216.8

Combined Rate Limit: 1.08

Civil Case Number:

Old Case Number:

Decree Plaintiff:

Decree Defendant:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False



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WATER RIGHT REPORT

1/4/2019

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report

WATER RIGHT NO. 47-17507

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	HIGH PLAINS LAND & LIVESTOCK LLC PO BOX 780 CASTLEFORD, ID 83321
Original Owner	ROSE E MC CLAIN 816 11TH ST BUHL, ID 83316
Original Owner	MELVIN J MC CLAIN 816 11TH ST BUHL, ID 83316
Security Interest	MC FINNEY AGRI FINANCE LLC PO BOX 1598 TWIN FALLS, ID 83303-1598 (208) 734-6622

Priority Date: 10/25/1951

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	03/15	11/15	0.69 CFS	216.8 AFA
Total Diversion			0.69 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SENWSE|Sec. 18|Township 09S|Range 13E|TWIN FALLS County

IRRIGATION Use:

Acre Limit: 54.2

Place(s) of use:

Place of Use Legal Description: IRRIGATION TWIN FALLS County

<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
09S	13E	17		SWSW40										
		18		NESW	32.9		SESW	32.4						
				NESE	20.1		NWSE	30.7		SWSE	32.3		SESE	36.7

Total Acres: 225.1

Conditions of Approval:

1. R64 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.
2. 01M 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 use power records to determine the amount of water diverted and shall annually report the information to the Department.
3. X35 Rights 47-17506 and 47-17507 when combined shall not exceed a total diversion rate of 1.08 cfs , a total annual maximum diversion volume of 216.8 af at the field headgate, and the irrigation of 54.2 acres.
4. T08 Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
5. T07 The right holder shall accomplish the change authorized by this transfer within 1 year. of the date of this approval.
6. X27 This right is limited to the irrigation of 54.2 acres within the place of use described above in a single irrigation season. 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.
7. T19 Rights 47-2382, 47-17506, and 47-17507 when combined shall not exceed a total diversion rate of 2.42 cfs, a total annual maximum diversion volume of 785.2 af at the field headgate, and the irrigation of 225.1 acres.
- 8.

Dates:

Licensed Date:

Decreed Date: 09/28/2007

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date:

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal:

Owner Name Connector:

Water District Number:

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4

Combined Acres Limit: 54.2

Combined Volume Limit: 216.8

Combined Rate Limit: 1.08

Civil Case Number:

Old Case Number:

Decree Plaintiff:

Decree Defendant:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

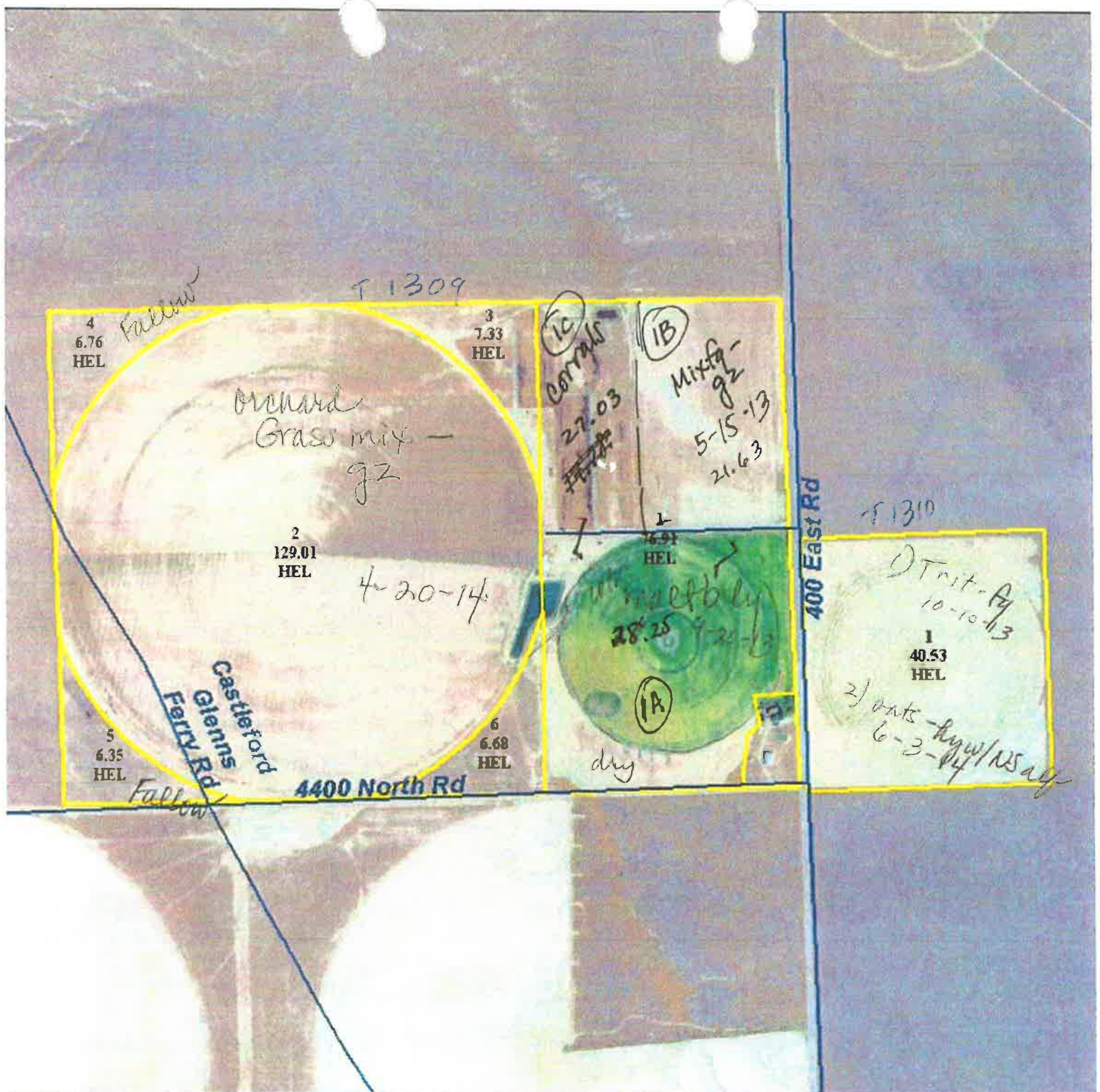
DLE Act Number:

Cary Act Number:

Mitigation Plan: False

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page.

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FARM 5906
TRACT 1309, 1310

County: Twin Falls

OP% 100 OW%

CR YEAR: 2014



Twin Falls County Farm Service Agency

Disclaimer: These acreages are for FSA program purposes only.

NAIP 2013

TRANSFER 83182

FSA - 578 (02-01-91)

REPORT OF COMMODITIES FARM AND TRACT DETAIL LISTING

DATE: 10-24-2014

PAGE: 1

Farm Number: 5906

Operator Name and Address

HIGH PLAINS DAIRY LLC
PO BOX 780
CASTLEFORD, ID 83321-0780

Original: _____

Revision: _____

Cropland: 273.57

Farmland: 276.47

Tract Number	CLU/Field	Crop/Commodity	Variety/Type	Irr Prc	Int Use	Actual Use	Land Use	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/Measured	Planting Date	Planting Period	End Date
1309	1A	BARLY	SPR	I	GR			I	A	28.25		Yes	MLT		9-20-2013	01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
	1B	MIXFG	AGM	I	GZ			I	A	21.63		Yes			5-15-2013	01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
	1C	FALOW		I				I	A	27.03		Yes				01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
	2	GRASS	ORG	I	GZ			I	A	129.01		Yes			4-20-2014	01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
	3	FALOW		I				I	A	7.33		Yes				01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
	4	FALOW		I				I	A	6.76		Yes				01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
	5	FALOW		I				I	A	6.35		Yes				01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
	6	FALOW		I				I	A	6.68		Yes				01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	
Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated
GRASS	ORG	I	GZ		129.01	MIXFG	AGM	I	GZ		21.63	FALOW		I			54.15
BARLY	SPR	I	GR		28.25												
Tract Number/Legal Description: 18-9-13																	
Cropland: 233.04				Reported on Cropland: 233.04				Difference: 0.00				Reported on Non-Cropland: 0.00					
1310	1	TRICL		I	FG			I	A	40.53		Yes			10-10-2013	01	
		Producer	HIGH PLAINS DAIRY LLC						Share	100.00		RMA Unit			NAP Unit	1721	

Twin Falls, Idaho

FSA - 578 (02-01-91)

Farm Number: 5906

Operator Name and Address

HIGH PLAINS DAIRY LLC
PO BOX 780
CASTLEFORD, ID 83321-0780

REPORT OF COMMODITIES FARM SUMMARY

PROGRAM YEAR: 2014

DATE: 10-24-2014

PAGE: 3

Original: *ch*

Revision: _____

Cropland: 273.57

Farmland: 276.47

NOTE: The authority for collecting the following information is Pub.L 107-76. This authority allows for the collection of information without prior OMB approval mandated by the Paperwork Reduction Act of 1995. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Act.

Producer Name											
HIGH PLAINS DAIRY LLC						C/C	Share	C/C	Share	C/C	Share
						TRICL	100.00	BARLY	100.00	GRASS	100.00
						MIXFG	100.00	OATS	100.00	FALOW	100.00
Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity	Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity
GRASS	ORG	I	GZ	129.01		MIXFG	AGM	I	GZ	21.63	
TRICL		I	FG	40.53		FALOW		I		54.15	
BARLY	SPR	I	GR	28.25		OATS	SPR	I	FG	40.53	

CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops/commodities and land uses listed herein are true and correct and that all required crops/commodities and land uses have been reported for the farms as applicable. Absent any different or contrary prior subsequent certification filed by any producer for any crop for which NAP coverage has been purchased, I certify that the applicable crop, type, practice, and intended use is not planted if it is not included on the Report of Commodities for this crop year. The signing of this form gives FSA representatives authorization to enter and inspect crops/commodities and land uses on the above identified land. A signature date (the date the producer signs the FSA-578) will also be captured.

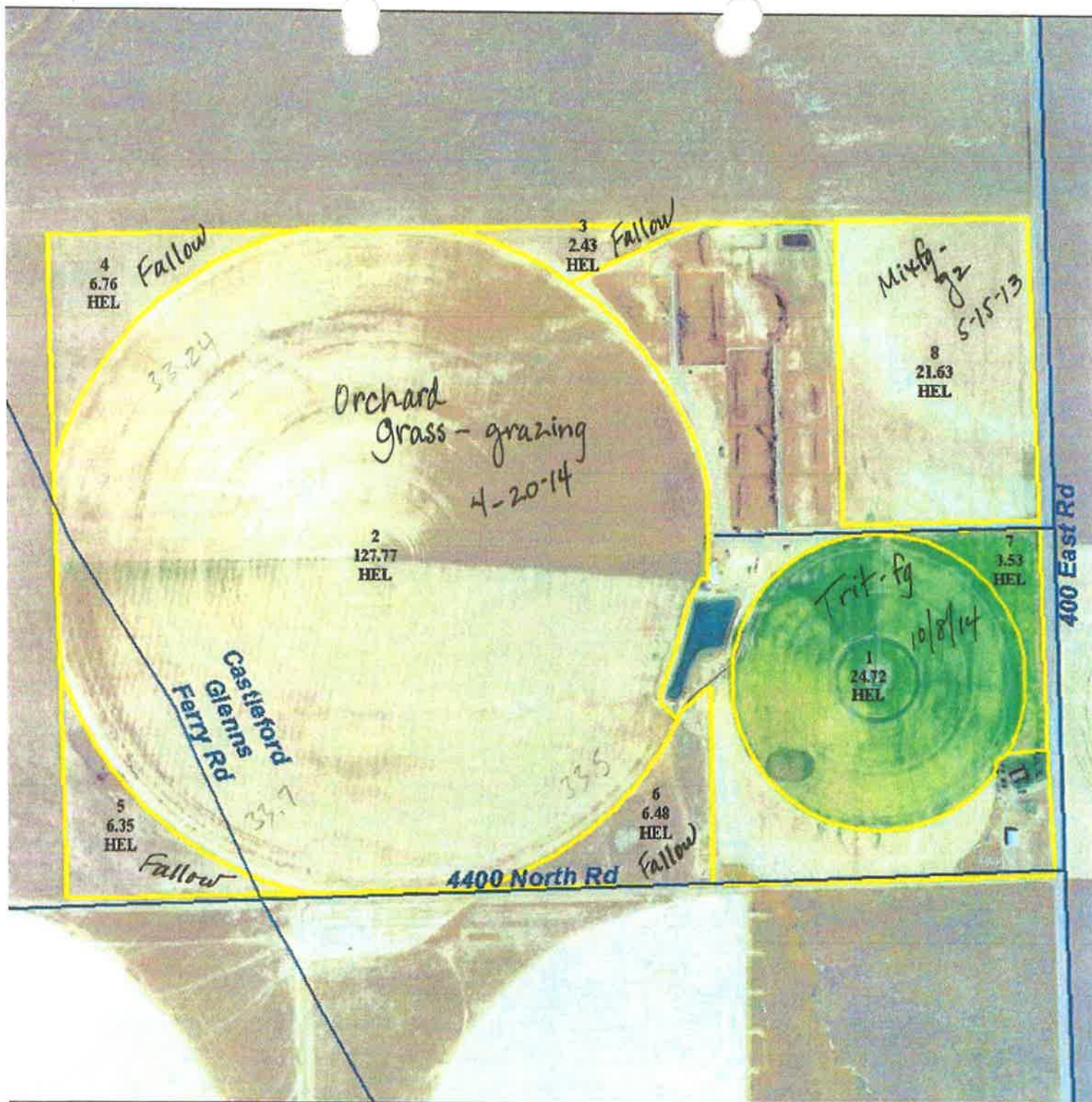
Operator's Signature (By) *[Signature]*

Date

12/18/14

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

RECEIVED
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TWIN FALLS COUNTY FSA



FARM 5906
TRACT 1309

S18 - T9 - R13

County: Twin Falls

OP% 100 OW% CR YEAR: 2015



Twin Falls County Farm Service Agency

Disclaimer: These acreages are for FSA program purposes only.

NAIP 2013

made 10/24/14

FSA - 578 (02-01-91)

REPORT OF COMMODITIES FARM AND TRACT DETAIL LISTING

DATE: 12-18-2014

PAGE: 1

Farm Number: 5906

Operator Name and Address

HIGH PLAINS DAIRY LLC
PO BOX 780
CASTLEFORD, ID 83321-0780

Original: _____

Revision: _____

Cropland: 240.2

Farmland: 276.48

Tract Number	CLU/Field	Crop/Commodity	Variety/Type	Irr Prc	Int Use	Actual Use	Land Use	Organic Status	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/Measured	Planting Date	Planting Period	End Date
1309	1	TRICL		I	FG			C	I	A	24.72		Yes			10-8-2014	01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		
	2	GRASS	ORG	I	GZ			C	I	A	127.77		Yes			4-20-2014	01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		
	3	FALOW		I				C	I	A	2.43		Yes				01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		
	4	FALOW		I				C	I	A	6.76		Yes				01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		
	5	FALOW		I				C	I	A	6.35		Yes				01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		
	6	FALOW		I				C	I	A	6.48		Yes				01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		
	8	MIXFG	AGM	I	GZ			C	I	A	21.63		Yes			5-15-2013	01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		

Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated
GRASS	ORG	I	GZ		127.77	MIXFG	AGM	I	GZ		21.63	FALOW		I			22.02
TRICL		I	FG		24.72												

Photo Number/Legal Description: 18-9-13

Cropland: 199.67

Reported on Cropland: 196.14

Difference: -3.53

Reported on Non-Cropland: 0.00

1310	1	TRICL		I	FG			C	I	A	40.53		Yes			10-8-2014	01	
		Producer HIGH PLAINS DAIRY LLC								Share 100.00		RMA Unit				NAP Unit 1721		

FSA - 578 (02-01-91)

REPORT OF COMMODITIES FARM SUMMARY

DATE: 12-18-2014

PAGE: 3

Farm Number: 5906

Original: PS

Operator Name and Address

Revision: _____

HIGH PLAINS DAIRY LLC

Cropland: 240.2

PO BOX 780

Farmland: 276.48

CASTLEFORD, ID 83321-0780

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Producer Name				C/C	Share	C/C	Share	C/C	Share	C/C	Share
HIGH PLAINS DAIRY LLC				TRICL	100.00	GRASS	100.00	FALOW	100.00	MIXFG	100.00
Crop/ mmodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity	Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity
GRASS	ORG	I	GZ	127.77		MIXFG	AGM	I	GZ	21.63	
FALOW		I		22.02		TRICL		I	FG	65.25	

CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops/commodities and land uses listed herein are true and correct and that all required crops/commodities and land uses have been reported for the farms as applicable. Absent any different or contrary prior subsequent certification filed by any producer for any crop for which NAP coverage has been purchased, I certify that the applicable crop, type, practice, and intended use is not planted if it is not included on the Report of Commodities for this crop year. The signing of this form gives FSA representatives authorization to enter and inspect crops/commodities and land uses on the above identified land. A signature date (the date the producer signs the FSA-578) will also be captured.

Operator's Signature (By)

Date



12/18/14

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

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ET_{Idaho} 2012 -- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

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Castleford 2 N (NWS -- 101551)

Statistics based on thirty year normal spans 1970 to 2009 years

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Grass Pasture - high management															
Precipitation Deficit (Click here for a graph)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
Mean ^j	mm/day												mm		
Monthly ^c	-0.07	-0.01	0.41	2.88	4.73	6.01	6.69	5.40	3.43	1.34	-0.41	-0.22	943	-20	928
15-Day Moving Average ^d	-0.07	-0.01	0.37	3.05	4.79	6.06	6.74	5.35	3.36	1.40	-0.44	-0.18			
7-Day Moving Average ^e	-0.07	0.00	0.39	2.96	4.75	6.02	6.73	5.38	3.34	1.37	-0.43	-0.22			
3-Day Moving Average ^f	-0.07	0.00	0.41	2.93	4.74	6.02	6.71	5.41	3.39	1.33	-0.40	-0.23			
Standard Deviation ^k	mm/day												mm		
Monthly ^c	0.30	0.18	0.79	1.19	1.54	1.05	0.79	0.78	0.78	1.11	0.48	0.44	74	18	75
15-Day Moving Average ^d	0.31	0.21	0.64	1.49	1.50	1.39	0.63	0.79	1.00	0.98	0.75	0.40			
7-Day Moving Average ^e	0.43	0.36	0.81	1.89	1.95	1.89	0.80	1.03	1.40	1.37	1.02	0.61			
3-Day Moving Average ^f	0.63	0.56	1.07	2.57	2.62	2.42	1.19	1.40	1.93	1.92	1.48	0.90			
20% Exceedance ^l	mm/day												mm		
Monthly ^c	0.07	0.13	0.78	3.99	5.59	6.85	7.09	5.80	3.99	1.92	-0.07	0.01	999	-7	988
15-Day Moving Average ^d	0.18	0.27	1.44	4.99	6.78	7.54	7.62	6.50	4.66	2.61	0.40	0.15			
7-Day Moving Average ^e	0.30	0.53	2.11	6.24	7.47	8.30	8.02	7.02	5.38	3.66	0.80	0.28			
3-Day Moving Average ^f	0.45	0.80	2.89	7.32	8.92	9.34	8.91	7.98	6.59	5.12	1.24	0.39			
80% Exceedance ^m	mm/day												mm		
Monthly ^c	-0.28	-0.12	0.04	1.86	3.60	5.46	6.23	5.11	2.90	0.46	-0.89	-0.57	877	-39	868
15-Day Moving Average ^d	-0.66	-0.28	-0.32	0.24	2.75	4.04	5.70	4.38	1.64	-0.42	-1.79	-1.15			
7-Day Moving Average ^e	-1.44	-0.63	-0.76	-0.64	0.63	2.46	5.18	3.40	-0.01	-1.45	-3.03	-2.51			
3-Day Moving Average ^f	-2.66	-1.63	-2.27	-4.41	-3.75	-1.05	3.38	1.01	-2.38	-4.66	-5.90	-4.47			
Ave Highest P _{def}	mm/day												--		
15-Day Moving Average ^g	0.12	0.18	0.86	4.17	5.93	7.07	7.17	5.96	4.13	2.09	0.26	0.09			
7-Day Moving Average ^h	0.25	0.40	1.35	5.22	6.86	7.83	7.59	6.55	4.93	2.88	0.57	0.20			
3-Day Moving Average ⁱ	0.37	0.62	1.93	6.27	7.90	8.79	8.44	7.42	6.01	4.00	0.92	0.29			
Ave Lowest P _{def}	mm/day												--		
15-Day Moving Average ^g	-0.26	-0.17	-0.06	1.88	3.63	4.97	6.23	4.76	2.54	0.62	-0.95	-0.52			
7-Day Moving Average ^h	-0.62	-0.50	-0.49	0.58	2.06	3.41	5.57	4.11	1.38	-0.32	-1.84	-1.00			
3-Day Moving Average ⁱ	-1.36	-1.16	-1.46	-2.15	-0.92	1.17	4.47	2.84	-0.22	-2.28	-3.81	-2.09			
Special normal distribution parameters for monthly, seasonal, and annual intervals															

Skew ^m	-0.65	-1.89	0.67	-0.26	-0.24	-0.61	-0.47	-0.42	-0.65	-0.28	-0.49	-0.43	0.16	-0.15	-0.15
Kurtosis ^o	1.51	8.19	1.73	2.51	0.80	3.33	1.16	1.25	3.28	0.70	3.02	0.91	2.53	2.56	2.68

^a Growing Season: This is usually the time from green up or planting in the spring to a killing frost or harvest in the fall. It is not applicable for entries without a growing season and will be blank.

^b Nongrowing Season: This is usually the time from a killing frost or harvest in the fall to the of green up in the spring. It is not applicable for entries without a growing season.

^c Mean of the average daily value for month

^d Mean of the fourteen 15-day period averages contained in the month

^e Mean of the twenty three 7-day period averages contained in the month

^f Mean of the twenty seven 3-day period averages contained in the month

^g Mean of the highest/lowest 15-day period average in month

^h Mean of the highest/lowest 7-day period average in month

ⁱ Mean of the highest/lowest 3-day period average in month

^j This value represents the *mean value* for the parameter for the month over the 'normal' period of record. Generally, the 'normal' period is the last thirty years with data.

^k This value represents the *standard deviation* for the parameter for the month over the 'normal' period.

^l This value represents the *value* for the parameter that has a 20% chance of being exceeded that month during any particular year. Conversely, there is an 80% chance that the parameter value will be less than the *value* shown.

^m This value represents the *value* for the parameter that has a 80% chance of being exceeded that month during any particular year. Conversely, there is an 20% chance that the parameter value will be less than the *value* shown.

ⁿ This value represents the *skewness (asymmetry) of the distribution of the parameter values* for the month (year) over the 'normal' period. A value near zero indicates that the distribution approximates a normal (Gaussian) and symmetrical distribution. A negative skew indicates that the parameter distribution has relatively few low values compared to high values. A positive skew indicates that the distribution has relatively few high values compared to the number of low values. A skew value near 1 indicates that the underlying distribution approximates a lognormal distribution.

^o This value represents the *kurtosis* of the parameter value distribution for the month (year) over the 'normal' period. Kurtosis is a measurement of the height to width ratio of the probability distribution, or the *peakedness (slenderness)*. A normal (Gaussian) distribution has a kurtosis of 3. A high kurtosis distribution has a sharper peak and longer tails, while a low kurtosis distribution has a more rounded peak and shorter tails.

This work and report were prepared by the University of Idaho Research and Extension Center at Kimberly, Idaho under contract with the Idaho Department of Water Resources. Work was supported by funding from IDWR and the Idaho Agricultural Experiment Station and Idaho Engineering Experiment Station. The authors gratefully acknowledge the long-term evapotranspiration data collection and long-standing advice provided by Dr. James L. Wright, USDA-ARS Kimberly (ret.), the more than two decades of high quality agricultural weather data collection by the U.S. Bureau of Reclamation AgriMet system, and the very long-standing, routine data collection by the hundreds of cooperative weather station volunteers across the state who, for more than one-hundred years, have faithfully observed daily air temperature and precipitation.

The citation for the evapotranspiration data used from this site should be: Allen, Richard G. and Clarence W. Robison, 2012. *Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho: Supplement updating the Time Series through December 2008*, Research Technical Completion Report, Kimberly Research and Extension Center, University of Idaho, Moscow, ID.

Questions regarding the data should be addressed to [Clarence W. Robison](#) or [Richard G. Allen](#), University of Idaho, Kimberly Research and Extension Center, 3793 North 3600 East, Kimberly, ID 83341. Telephone (208)-423-6610

ET Idaho 2012 -- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

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Hagerman 2 SW (NWS -- 103932)

Statistics based on thirty year normal spans 1983 to 2010 years

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Grass Pasture - high management Precipitation Deficit (Click here for a graph)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
Meanⁱ	mm/day												mm		
Monthly ^c	-0.05	0.13	0.96	4.02	5.61	6.73	7.56	6.03	3.99	1.57	-0.35	-0.33	1121	-21	1112
15-Day Moving Average ^d	-0.05	0.06	0.95	4.13	5.64	6.74	7.65	5.99	3.92	1.58	-0.36	-0.28			
7-Day Moving Average ^e	-0.04	0.07	0.93	4.07	5.63	6.70	7.60	6.00	3.95	1.59	-0.37	-0.31			
3-Day Moving Average ^f	-0.05	0.11	0.95	4.05	5.63	6.71	7.57	6.02	3.97	1.57	-0.35	-0.29			
Standard Deviation^k	mm/day												mm		
Monthly ^c	0.33	0.40	1.46	0.95	1.62	1.04	0.87	0.96	0.69	1.28	0.52	0.64	97	20	83
15-Day Moving Average ^d	0.33	0.41	1.17	1.22	1.64	1.34	0.74	0.88	0.81	1.17	0.74	0.58			
7-Day Moving Average ^e	0.42	0.63	1.42	1.70	2.06	1.87	0.88	1.13	1.11	1.50	1.16	0.90			
3-Day Moving Average ^f	0.66	0.83	1.83	2.30	2.65	2.38	1.28	1.58	1.52	1.98	1.73	1.29			
20% Exceedance^l	mm/day												mm		
Monthly ^c	0.05	0.20	1.59	4.75	6.35	7.55	7.99	6.34	4.43	2.29	0.00	-0.01	1163	-2	1134
15-Day Moving Average ^d	0.23	0.36	2.72	5.74	7.74	8.35	8.56	7.12	5.26	3.03	0.58	0.17			
7-Day Moving Average ^e	0.41	0.60	3.57	7.15	8.91	8.87	8.85	7.71	5.94	4.01	0.83	0.32			
3-Day Moving Average ^f	0.60	1.04	5.02	8.17	9.91	9.90	10.08	8.72	7.74	6.09	1.59	0.52			
80% Exceedance^m	mm/day												mm		
Monthly ^c	-0.15	-0.08	0.10	3.29	4.64	5.42	6.81	5.39	3.21	0.55	-1.04	-0.77	1048	-32	1031
15-Day Moving Average ^d	-0.38	-0.44	-0.39	2.14	2.64	3.92	6.35	4.44	2.33	-0.57	-2.25	-1.53			
7-Day Moving Average ^e	-0.59	-1.08	-1.52	-0.20	0.54	1.21	5.82	3.62	1.20	-2.09	-3.61	-3.22			
3-Day Moving Average ^f	-1.31	-2.23	-3.57	-2.65	-3.19	-1.79	4.74	2.76	0.57	-7.49	-7.48	-5.48			
Ave Highest P_{def}	mm/day												--		
15-Day Moving Average ^g	0.15	0.35	1.80	5.13	6.88	7.82	8.06	6.73	4.60	2.45	0.32	0.13			
7-Day Moving Average ^h	0.33	0.69	2.34	6.32	8.01	8.56	8.49	7.35	5.37	3.28	0.77	0.30			
3-Day Moving Average ⁱ	0.51	0.93	3.20	7.53	9.24	9.59	9.53	8.42	6.83	4.45	1.30	0.51			
Ave Lowest P_{def}	mm/day												--		
15-Day Moving Average ^g	-0.23	-0.15	0.26	3.07	4.38	5.62	7.14	5.24	3.26	0.77	-0.98	-0.70			
7-Day Moving Average ^h	-0.48	-0.48	-0.53	1.75	2.77	4.25	6.53	4.54	2.56	-0.15	-2.03	-1.50			
3-Day Moving Average ⁱ	-1.14	-1.26	-2.26	-0.45	0.71	2.48	5.24	3.38	1.58	-2.11	-4.36	-2.96			
Special normal distribution parameters for monthly, seasonal, and annual intervals															

Skew ^m	-1.24	3.04	0.53	-0.22	-0.17	-0.71	-0.13	-0.39	-0.19	-0.04	-0.18	-0.34	0.56	-0.79	1.15
Kurtosis ^o	3.88	14.12	1.36	3.35	0.86	2.57	0.54	1.21	2.48	0.63	2.95	0.69	3.98	4.70	4.17

^a Growing Season: This is usually the time from green up or planting in the spring to a killing frost or harvest in the fall. It is not applicable for entries without a growing season and will be blank.

^b Nongrowing Season: This is usually the time from a killing frost or harvest in the fall to the of green up in the spring. It is not applicable for entries without a growing season.

^c Mean of the average daily value for month

^d Mean of the fourteen 15-day period averages contained in the month

^e Mean of the twenty three 7-day period averages contained in the month

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^j This value represents the *mean value* for the parameter for the month over the 'normal' period of record. Generally, the 'normal' period is the last thirty years with data.

^k This value represents the *standard deviation* for the parameter for the month over the 'normal' period.

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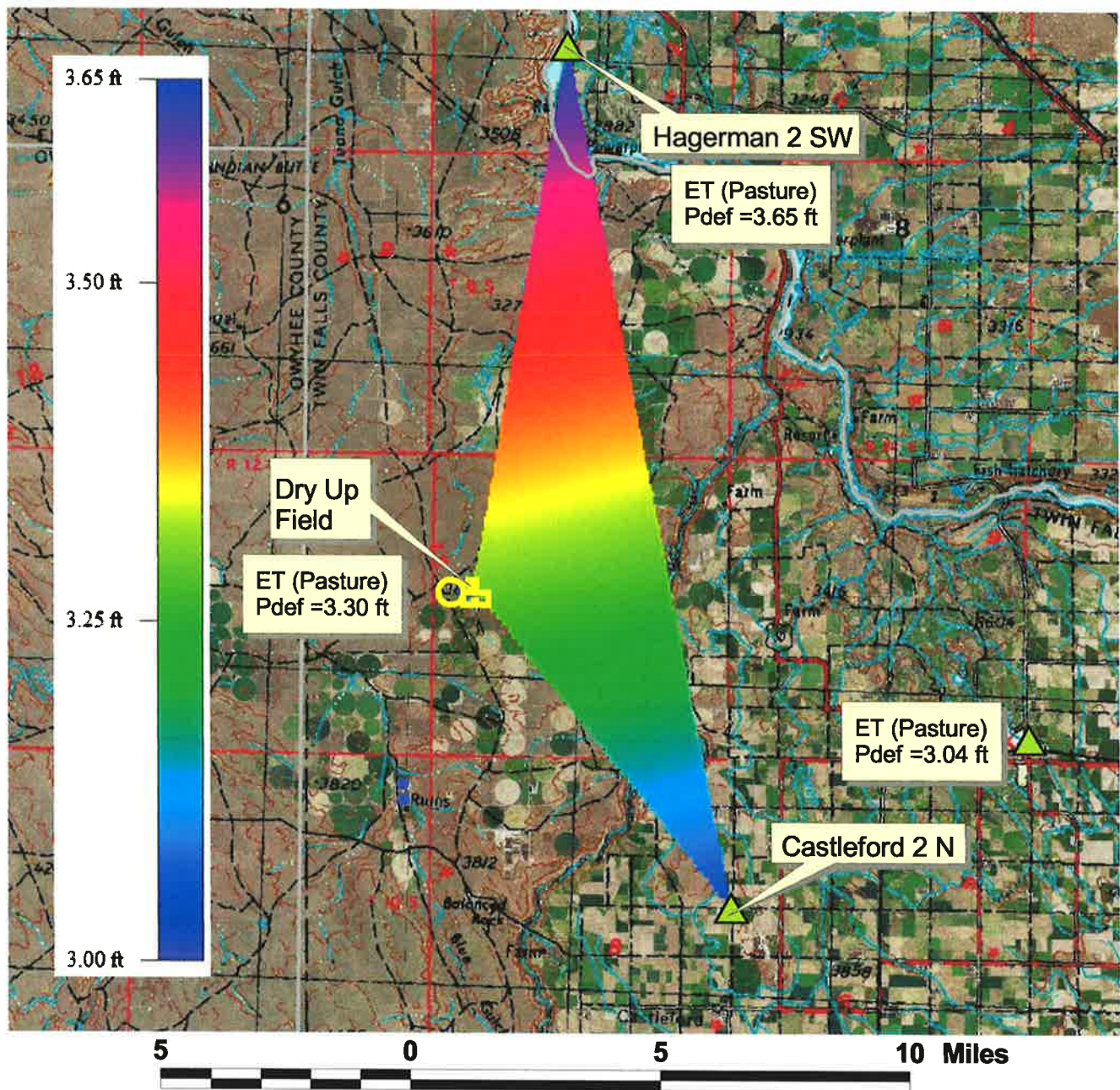
^o This value represents the *kurtosis* of the parameter value distribution for the month (year) over the 'normal' period. Kurtosis is a measurement of the height to width ratio of the probability distribution, or the *peakedness (slenderness)*. A normal (Gaussian) distribution has a kurtosis of 3. A high kurtosis distribution has a sharper peak and longer tails, while a low kurtosis distribution has a more rounded peak and shorter tails.

This work and report were prepared by the University of Idaho Research and Extension Center at Kimberly, Idaho under contract with the Idaho Department of Water Resources. Work was supported by funding from IDWR and the Idaho Agricultural Experiment Station and Idaho Engineering Experiment Station. The authors gratefully acknowledge the long-term evapotranspiration data collection and long-standing advice provided by Dr. James L. Wright, USDA-ARS Kimberly (ret.), the more than two decades of high quality agricultural weather data collection by the U.S. Bureau of Reclamation AgriMet system, and the very long-standing, routine data collection by the hundreds of cooperative weather station volunteers across the state who, for more than one-hundred years, have faithfully observed daily air temperature and precipitation.

The citation for the evapotranspiration data used from this site should be: Allen, Richard G. and Clarence W. Robison, 2012. *Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho: Supplement updating the Time Series through December 2008*, Research Technical Completion Report, Kimberly Research and Extension Center, University of Idaho, Moscow, ID.

Questions regarding the data should be addressed to [Clarence W. Robison](#) or [Richard G. Allen](#), University of Idaho, Kimberly Research and Extension Center, 3793 North 3600 East, Kimberly, ID 83341. Telephone (208)-423-6610

ET Interpolation (Linear)						
Prepared:	Jason C. Helms, P.E.					
Date:	1/3/2019					
Project:	High Plains Land & Livestock, LLC					
Nearest Weather Station Locations						
STATION 1			STATION 2			
Hagerman 2 SW			Castleford 2 N			
Lat: 42° 47' 59.6476" N			Lat: 42° 32' 59.6593" N			
Lon: 114° 56' 3.2130" W			Lon: 114° 52' 3.1941" W			
Easting:	2423605.9	m	Easting:	2428772.9	m	
Northing:	1289241.62	m	Northing:	1261423.0	m	
Pdef:	1112	mm	Pdef:	928.0	mm	
	3.65	ft		3.04	ft	
Centroid of dry-up						
Lat: 42° 38' 32.9247" N						
Lon: 114° 58' 12.4796" W						
Easting:	2420468.81					
Northing:	1271793.87					
			Weight	Pdef Fraction		
Distance to STATION 1:	11.09	miles	42.7%	474.7	mm	
Distance to STATION 2:	8.26	miles	57.3%	531.8	mm	
	Total:	19.34	miles	100.0%	1006.6	mm
Calculated Weighted Consumptive Volume @ Dry-Up Location						
Pdef:	1006.6	mm	=	3.30	ac-ft/ac	
Transfer 1:	33.0	ac-ft	Dry-up:	10.0	ac	
Transfer 2:	33.3	ac-ft	Dry-up:	10.1	ac	



Evapotranspiration Interpolation



Weather Stations



47-2382 Dry-Up Place of Use



Values determined from:

Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho:
(Allen, Richard G. and Clarence W. Robison, 2012. Research Technical Completion Report,
Kimberly Research and Extension Center, University of Idaho, Moscow, ID.

Attachment #8a

TRANSFER 83132

Existing Listed Water Rights															
WR#	Priority	Div. [cfs]	Div. Limit [cfs]	Volume [afa]	Volume Limit [afa]	POU Limit [ac]									
47-2382	12/13/1963	1.34	1.34	568.4	568.4	225.1									
47-17506	11/21/1960	0.59		183.6		45.9									
47-17507	10/25/1951	0.69	1.08	216.8	216.8	54.2									
COMBINED:			2.42		785.2	225.1									
Transfer #1 (full split: 69,480 gpd)							Transfer #1 (29,450 gpd average annual)								
WR#	Priority	Div. [cfs]	Div. Limit [cfs]	Volume [afa]	Volume Limit [afa]	POU Limit [ac]		WR#	Priority	Div. [cfs]	Div. Limit [cfs]	Volume [afa]	Volume Limit [afa]	POU Limit [ac]	
47-2382	12/13/1963	0.060	0.060	25.3	25.3	10.0		47-2382	12/13/1963	0.040	0.040	23.9	23.9	10.0	
47-17506	11/21/1960	0.026		8.2		2.0		47-17506	11/21/1960	0.012		7.7		2.0	
47-17507	10/25/1951	0.031	0.048	9.6	9.6	2.4		47-17507	10/25/1951	0.014	0.020	9.1	9.1	2.4	
COMBINED:			0.11		34.9	10.0		COMBINED:			0.060		33.0	10.0	
Transfer #2 (full split: 69,480 gpd)							Transfer #2 (29,750 gpd average annual)								
WR#	Priority	Div. [cfs]	Div. Limit [cfs]	Volume [afa]	Volume Limit [afa]	POU Limit [ac]		WR#	Priority	Div. [cfs]	Div. Limit [cfs]	Volume [afa]	Volume Limit [afa]	POU Limit [ac]	
47-2382	12/13/1963	0.060	0.060	25.5	25.5	10.1		47-2382	12/13/1963	0.040	0.040	24.1	24.1	10.1	
47-17506	11/21/1960	0.026		8.2		2.1		47-17506	11/21/1960	0.012	0.020	7.8		2.1	
47-17507	10/25/1951	0.031	0.048	9.7	9.7	2.4		47-17507	10/25/1951	0.014		9.2	9.2	2.4	
COMBINED:			0.11		35.2	10.1		COMBINED:			0.060		33.3	10.1	

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April 10, 2019

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JCH Engineering & Consulting, PLLC

6755 N. Albert Lane

Idaho Falls, ID 83401

(208) 308-2109

jasoncivil@alumni.nd.edu

Gary Funderburg
T.S.K. Enterprises
PMB 617 255 Blue Lakes Blvd. North
Twin Falls, ID 83301

Re: Analysis of consumptive water use proposed for transfer (47-2382, 17506, 17507)

Dear Gary:

This letter report presents an evaluation of rate limited consumptive water use related to drying up pasture under High Plains L&L water rights 47-2382, 47-17506 and 47-17507. While the most recent 5 years of crop consumptive use is typically acceptable to establish the historical consumptive use available for transfer, the Idaho Department of Water Resources (IDWR) letter dated February 6, 2019 (Attached **Appendix A**) suggested a rough irrigation efficiency estimate of 75% should determine the historical consumptive use given the limited authorized diversion volume of 3.49 acre-ft per acre. The consumptive use volume of 3.30 acre-ft per acre (95% of the authorized diversion volume) may seem unusual; however, a higher fraction of consumptive use is expected in low rate irrigation systems. In fact, exaggerated under-irrigation can result in 100% water consumption.¹ As an extreme example, it is easy to imagine a light spray completely evaporating before wetting the ground.

Any water use reduction from crop water stress reduces the transferable consumptive volume. Closer evaluation of the limits of the authorized delivery system in comparison to estimated crop water needs does indicate a potential for periods of crop water stress when including the implied lack of no less than 25% of the water supply (i.e. 75% efficiency). The simulations track soil moisture and water depletions based on the historical soil type, crop type, climate conditions and precipitation data for the 2014-2018 period to reasonably evaluate the recent historical reduction in consumptive water use resulting from plant water stress.

In order to utilize the latest models and data, I spoke with Dr. Howard Neibling, who is a water resource engineer and associate professor at the University of Idaho at the Kimberly

¹ National Engineering Handbook, Part 623.1104, Chapter 11: Sprinkler Irrigation. U.S. Department of Agriculture / National Resource Conservation Service. pg. 11-54 (210-VI-NEH Amendment 80, August 2016)

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Research Center. Dr. Neibling directed me to an irrigation scheduling model developed at Washington State University (WSU) that incorporates historical and current AgriMet weather station data and performs crop evapotranspiration calculations utilizing the ET-Idaho dataset typically accepted by IDWR for evaluation of crop consumptive water use in water right nature of use transfers.

High Plains L&L Irrigation Water Rights

A copy of the application for transfer is attached as **Appendix B**. The water rights proposed for transfer are shown below in **Table 1**. The authorized diversion rate of 2.42 cfs corresponds to a water volume of 4.80 acre-ft per day. This daily authorized volume spread evenly over the authorized 225.1 acres provides a gross average depth of 0.256 inches (6.50 mm) of water each day. The total annual volume is further limited to 785.2 acre-ft which when divided by the daily authorized volume results in a total maximum full diversion time of approximately 164 days within the irrigation season.

WR#	Priority	Div. [cfs]	Div. Limit [cfs]	Volume [afa]	Volume Limit [afa]	POU Limit [ac]	POU [ac]
47-2382	12/13/1963	1.34	1.34	568.4	568.4	225.1	170.9
47-17506	11/21/1960	0.59	1.08	183.6	216.8	45.9	54.2
47-17507	10/25/1951	0.69		216.8		54.2	
	COMBINED:		2.42		785.2		225.1

Table 1: Existing Irrigation Water Rights

Historical Crop Consumptive Use

The interpolated consumptive use determined at the proposed dry-up location (supplied with the application using the standard methodology) was found to be 1,006.6 mm (3.30 ft). This value represents the precipitation deficit and corresponds to the average historical amount of water (not including precipitation) required in the soil column to meet the full consumptive use of the crop. As shown in the ET data submitted with the application, average daily water use rates exceed the authorized diversion rate of 6.5 mm/day in July at the Castleford station as well as through both June and July at the Hagerman station. Peak short term 3-day crop production water use rates can exceed the authorized diversion rate at any time from April through September with peaks of 10 mm/day at the Hagerman station in July.

Irrigation System Efficiency

Irrigation system efficiency is a measure of the fraction of diverted water made available within the soil column for use by the crop. This only relates to what portion of the water is delivered to the crop and is not a good indicator of the total consumptive use of the water

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since water which does not make it to the soil column may also be entirely evaporated or consumed by non-commercial vegetation. While application efficiency estimates for stationary laterals are between 60 and 75%, this figure includes loss components which do not occur

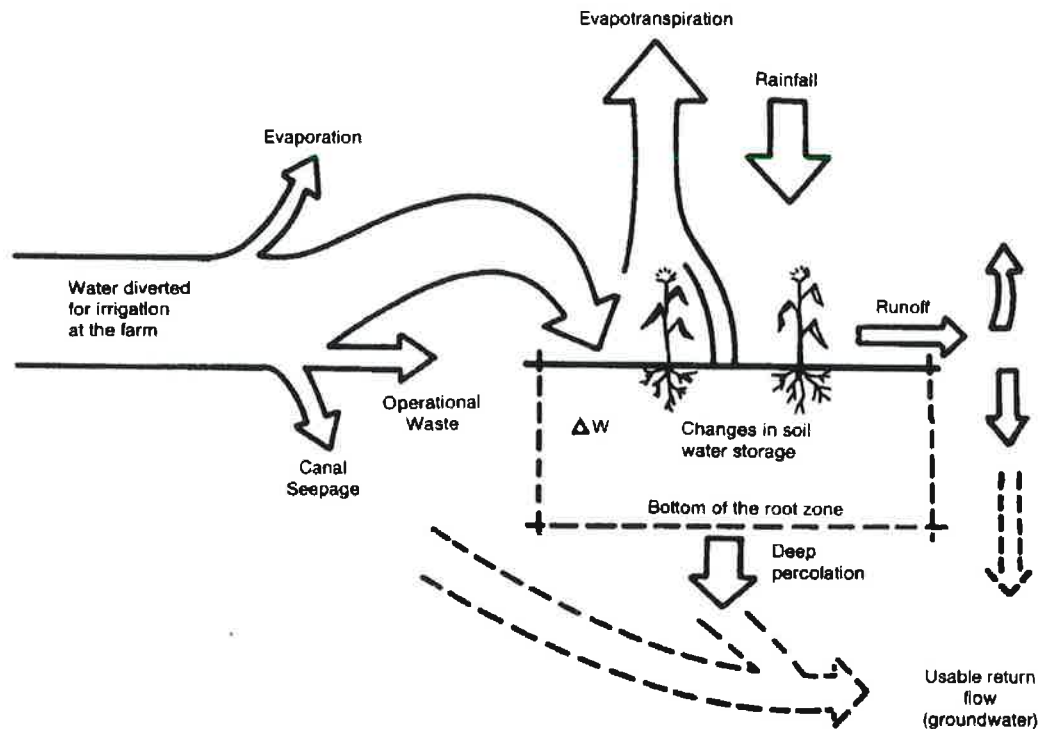


Figure 1: Components of a Field Water Balance²

in this case. **Figure 1** borrowed from the National Engineering Handbook² shows the system components that constitute the typical losses observed across the full range of field delivery systems. Since the High Plains system delivery occurs by pressurized main line, ditch seepage and canal evaporation do not occur. While the average includes runoff from sloping lands, in this case the natural drainage passes through the south and western edge of the dry-up area with the land sloping from the east allowing capture of the majority of runoff within the field. Additionally, the portion of the typical loss from periodic overwatering will be at least as limited as the system water delivery capacity. According to multiple sources, the sprinkler system evaporative losses are primarily dependent upon droplet size and wind speed, al-

² Soil-Plant-Water Relationships Section 15: Irrigation (U.S. Department of Agriculture / Soil Conservation Service. Figure 1-30, pg. 1-49 (210-VI, NEH 15-1, 2nd Edition, CEC. 1991)

though temperature and relative humidity are aggravating factors. **Figure 2** shows the typical evaporative sprinkler system losses which consumptively reduce water availability for crop use. In the majority of operating conditions, the sprinkler evaporation loss will constitute less than 10% of the total delivery from the sprinkler head³ although particularly hot and windy days with fine spray can lose 20% to evaporation between the sprinkler head and the ground.

With all these considerations, it seems reasonable that the majority of the irrigation volume authorized and diverted will be consumptively used in production of pasture at this location. Only the limited deep percolation returns from isolated system leaks, and any runoff when irrigation is provided during those times

early in the season when the soil moisture is at full capacity will be non-consumptively used. It is worth noting the consumptive water uses occurring during delivery to the soil for use by the crop are part of the historical consumptive use of water necessary for the authorized use sought to transfer. Regardless of the fate of the losses, 25% loss is considered typical for periodic move systems (wheel or hand) so the irrigation simulations including an application efficiency of 75% were performed for conservative evaluation of simulated crop stress.

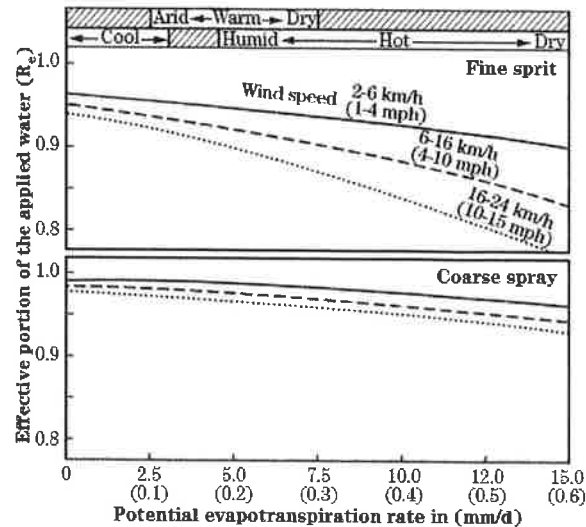


Figure 2: Typical Sprinkler Losses

Field Simulation Details

Since the authorized water delivery capacity may result in some level of crop stress reducing the crop portion of the total water consumption, field simulations were conducted utilizing The Irrigation Scheduler Mobile tool developed at WSU (weather.wsu.edu/ism). The tool is free to use and includes the Agrimet weather station network current and historical climate data including precipitation and estimated crop evapotranspiration. The tool operates on a daily basis and tracks crop water use reductions resulting from water stress. In general the default settings were unchanged and specific selections are described below.

- *Agrimet Station Selection*

Since the tool does not include the Castleford or Hagerman stations which are part of

³ National Engineering Handbook, Part 623.1104, Chapter 11: Sprinkler Irrigation. U.S. Department of Agriculture / National Resource Conservation Service. Figure 11-28, pg. 11-54 (210-VI-NEH Amendment 80, August 2016)

the National Weather Service network, the closest Agrimet station was selected at Glenns Ferry (25 miles NW). According to the ET-Idaho information, the Glenns Ferry station corresponds with a precipitation deficit of 1059 mm (attached as **Appendix C**) which is only 5% higher than the value interpolated for the transfer location pasture (1006.6 mm) and should provide a conservative duty of water match for evaluation of consumptive water use reductions related to crop water shortages.

- *Soil Type & Crop Type Selection*

Based on the NRCS Web Soil Survey (attached **Appendix D**), the primary soil types in the area proposed for dry-up are silt loam with a small fraction of gravelly loam so silt loam was chosen for the simulations. The tool allowed selection of pasture as indicated by the historical crop reports submitted with the application.

- *Season Start & End Date and Initial Moisture*

The beginning of the season was set to March 15 and the end was set to November 15 as authorized by the water rights. No changes were made to the defaults for canopy cover growth or the initial crop maturation date. The simulation begins in 2014 assuming a full initial soil moisture profile. Thereafter, initial season moisture was carried over from the prior year based on the standard Agrimet out of season cumulative daily evapotranspiration offset by measured precipitation.

- *Daily Diversion Rate and Total Delivery*

In order to provide a conservative estimate for the amount of water available for crop growth an irrigation application efficiency of 75% was selected. This results in an effective diversion rate of 1.82 cfs which equates to a daily delivery volume of 3.60 acre-ft per day corresponding to an average delivery depth of 0.19 inches over the entire 225.1 acres. Irrigation delivery is further limited to 164 individual days regardless of the soil moisture condition to adhere to the total authorized combined diversion volume limit.

- *General Irrigation Scheduling Methodology*

The specified daily irrigation depth was applied to reach 100% soil moisture in the early season. Typically, spring precipitation provides the initial moisture and irrigation is applied continuously from mid-April through mid-September. Where precipitation events are adequate to restore full soil moisture conditions, irrigation delivery is halted for at least one day following the precipitation event. Simulated irrigation is turned off once the authorized diversion volume is reached corresponding to 164 days of delivery in each simulated season.

2014 Simulation

According to the simulation data, soil moisture declines below 80% in early April when irrigation deliveries begin and continue unabated through September 27 at which point the maximum authorized gross diversion is reached. Simulated crop stress begins on July 7th and yield reductions approach 40%, however, over an inch of precipitation in the first week of August provides adequate moisture to end further crop water stress until mid October.

Figure 3, Figure 4 & Figure 5 show the Irrigation Scheduler output for the 2014 season simulation. As called out on Figure 5, Total yield loss due to crop water stress is estimated at 7%.

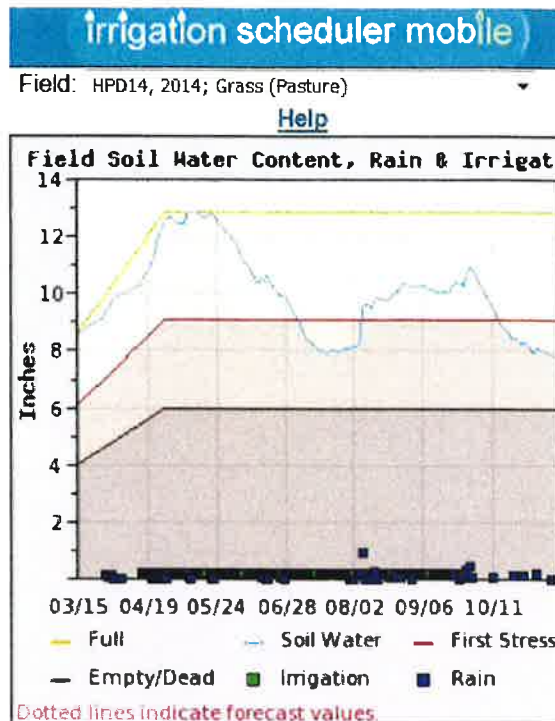


Figure 3: 2014 Crop Stress Simulation

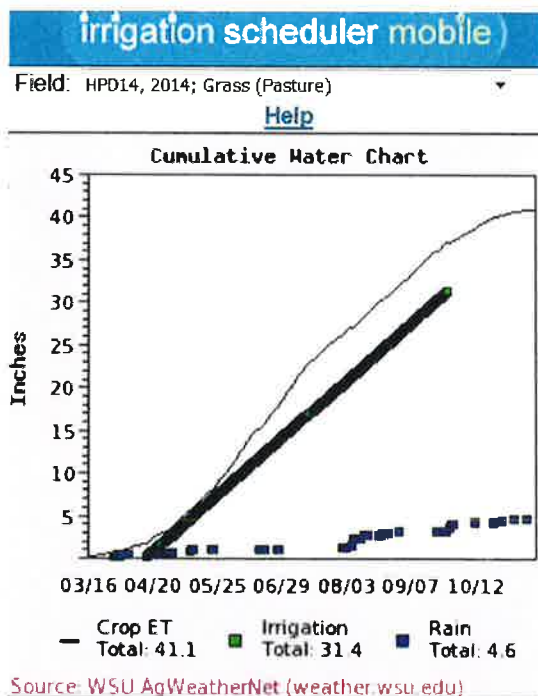


Figure 5: 2014 Water Use

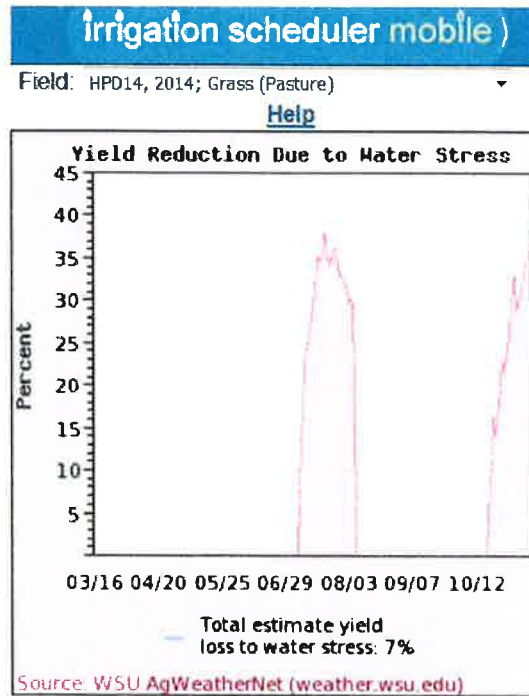


Figure 4: 2014 Yield Reduction

2015 Simulation

Following the end of the 2014 irrigation season, dormant pasture ET continues through the winter months with un-stressed values exceeding precipitation gains resulting in a net soil moisture loss of approximately one inch by March 15, 2015. This corresponds to a beginning soil moisture content of 80%. Simulated irrigation begins immediately for a short period easily preventing any early season crop stress. Full-time irrigation begins the second week of April and continues through September 17th when the maximum authorized volume is reached.

Figure 6, Figure 8 and Figure 7 show the Irrigation Scheduler output for the 2015 season simulation. Total yield reduction is estimated at 9% with significant stress apparent in the late season.

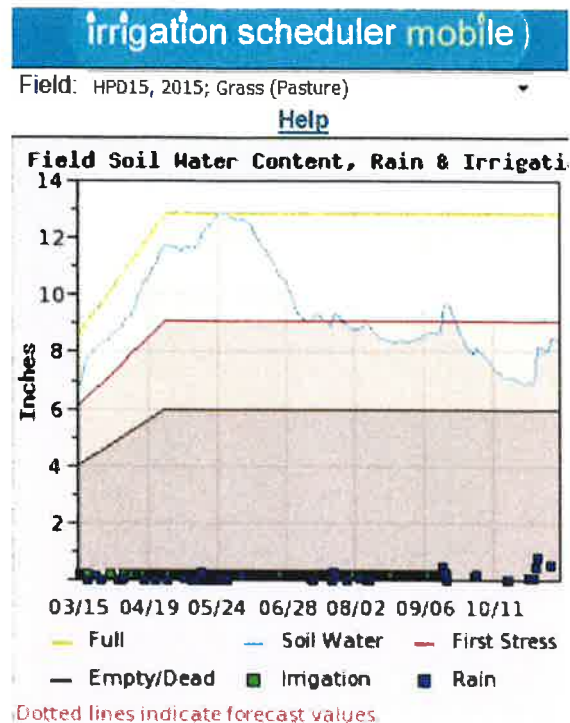


Figure 6: 2015 Crop Stress Simulation

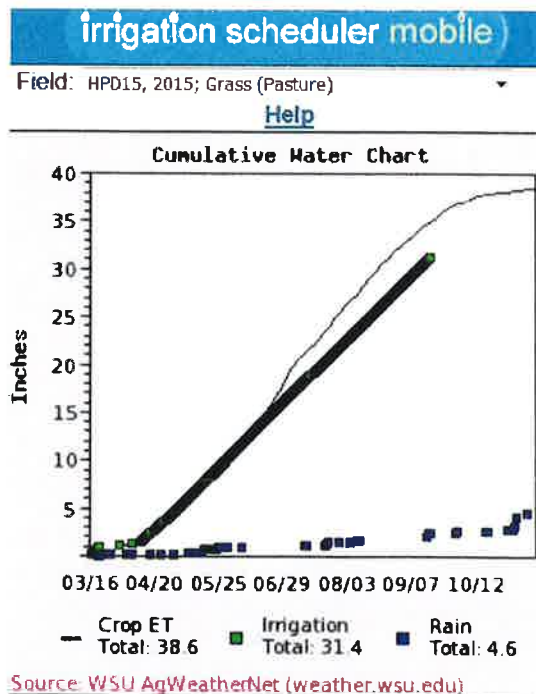


Figure 7: 2015 Water Use

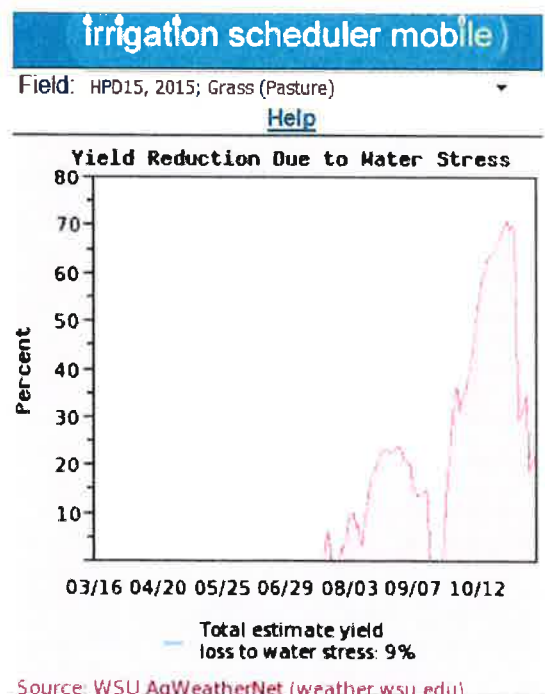


Figure 8: 2015 Yield Reduction

2016 Simulation

Following the end of the 2015 irrigation season, dormant pasture ET combined with precipitation gains result in a net soil moisture gain of approximately one half inch by March 15, 2016. With 100% starting moisture capacity, irrigation deliveries are able to wait until April 25th continuing non-stop through October 6th when the maximum authorized volume is reached.

Figure 9, Figure 10 and Figure 11 show the Irrigation Scheduler output for the 2016 season simulation. Total yield loss is estimated at 7% occurring primarily in august following an extended period with little precipitation.

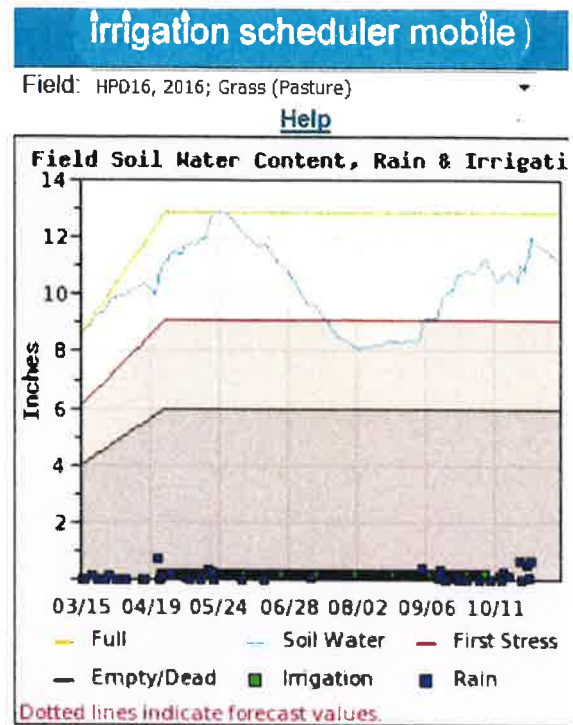
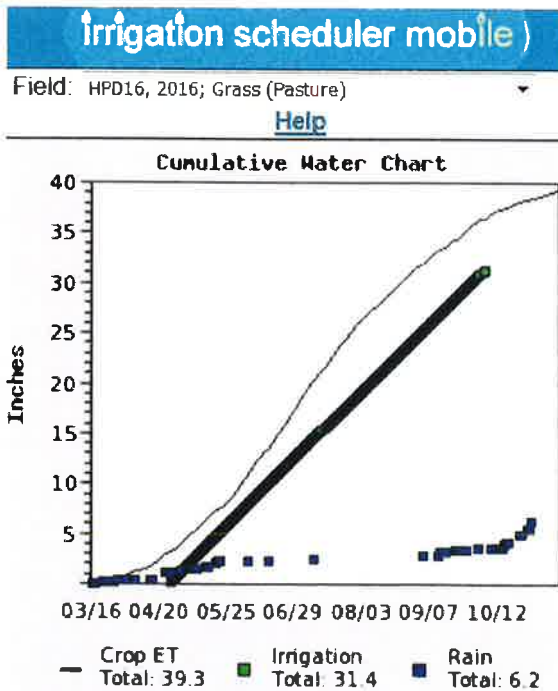
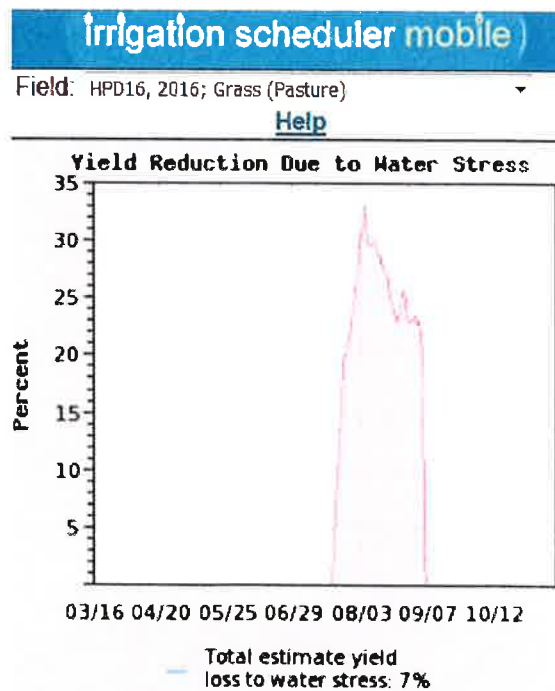


Figure 9: 2016 Crop Stress Simulation



Source: WSU AgWeatherNet (weather.wsu.edu)

Figure 10: 2016 Water Use



Source: WSU AgWeatherNet (weather.wsu.edu)

Figure 11: 2016 Yield Reduction

2017 Simulation

Following the end of the 2016 irrigation season, precipitation easily exceeds unstressed dormant pasture consumptive use values providing nearly 2 inches of water over 100% soil capacity. Full time irrigation begins in late April with 3 days off in May as a result of precipitation. The system is shut off on October 11th when the maximum authorized volume is reached. Late season precipitation maintains productive soil moisture levels through the end of the season similar to 2016.

Figure 12, Figure 13 and Figure 14 show the Irrigation Scheduler output graphs for the 2017 simulation. Total yield reduction is estimated at 5% occurring again primarily in August.

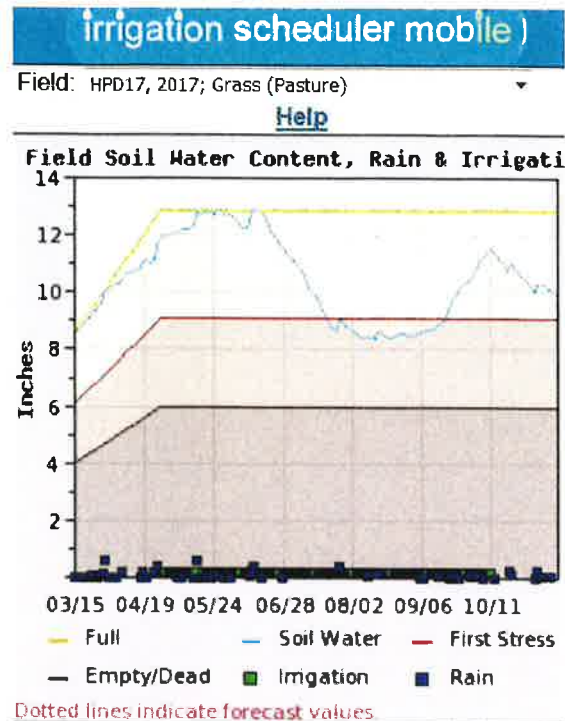


Figure 12: 2017 Crop Stress Simulation

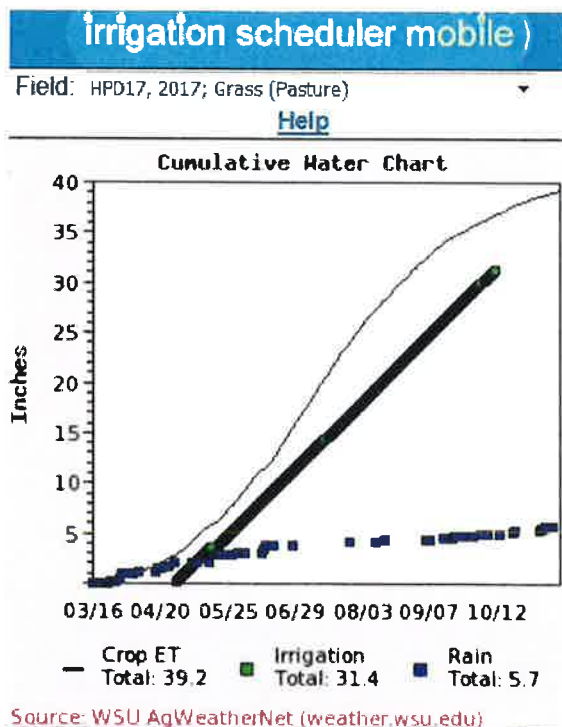


Figure 13: 2017 Water Use

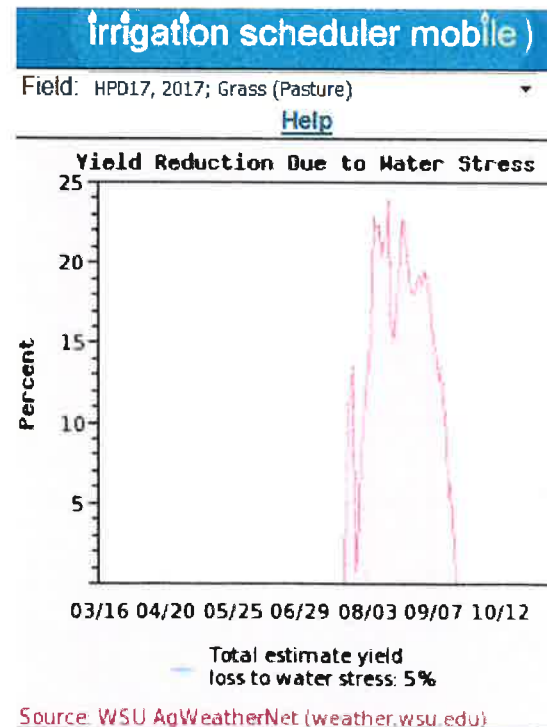


Figure 14: 2017 Yield Reduction

2018 Simulation

Following the end of the 2017 irrigation season, un-stressed dormant pasture ET exceeds precipitation gains resulting in a net estimate soil moisture loss of approximately one inch by March 15, 2018, but is still enough to provide 100% soil moisture at the start of the irrigation season. Simulated irrigation begins on April 25th pausing briefly for precipitation in May then resuming through October 8th. Slight crop water stress is apparent in August, a portion of September and again near the end of the season with unusually low fall precipitation.

Figure 15, Figure 17 and Figure 16 show the Irrigation Scheduler output graphs for 2018. Total yield reduction for 2018 is estimated at 5%.

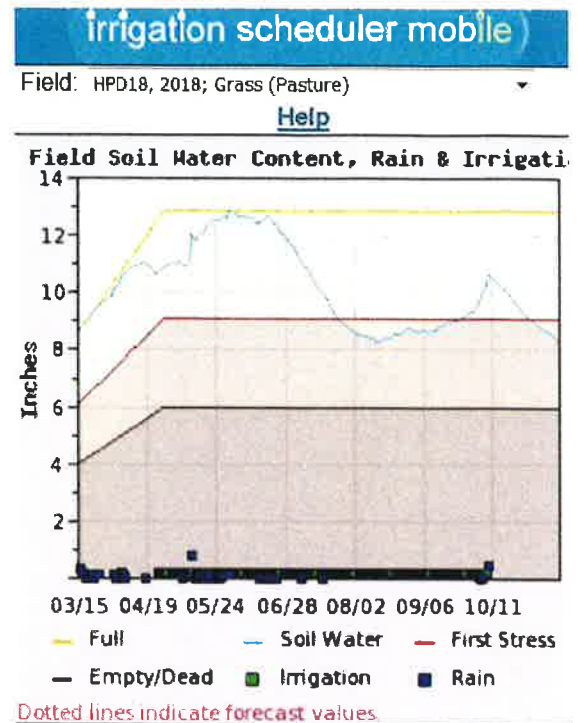


Figure 15: 2018 Crop Stress Simulation

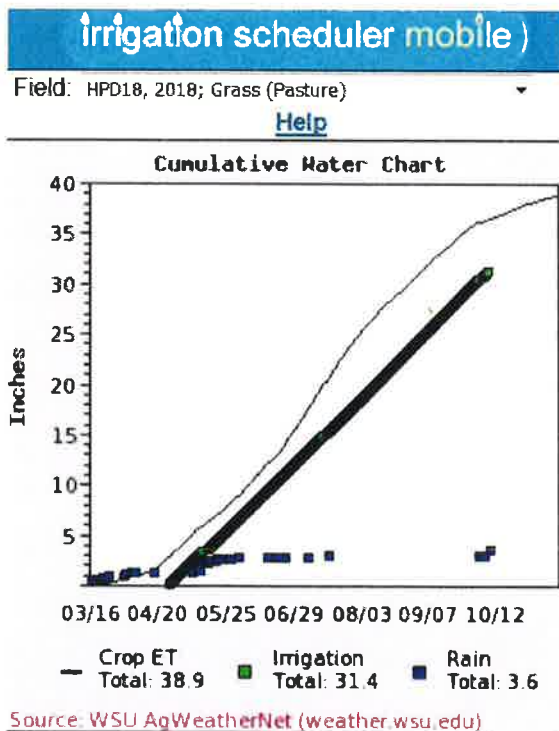


Figure 17: 2018 Water Use

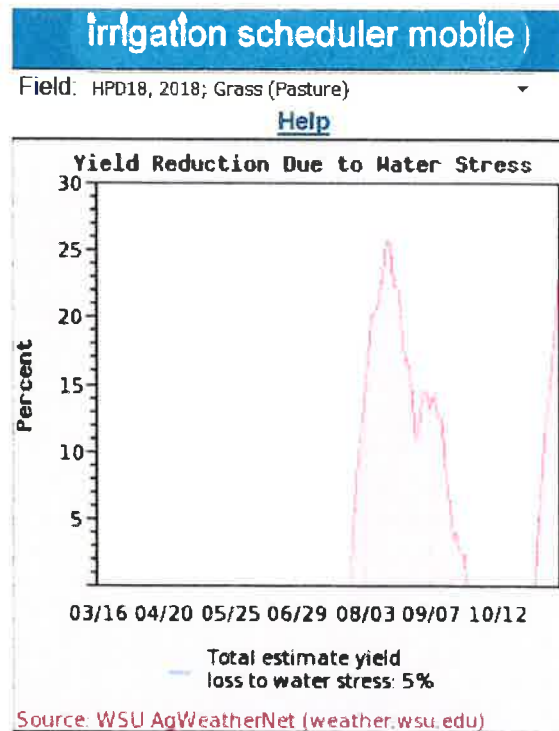


Figure 16: 2018 Yield Reduction

Conclusions & Recommendations:

The historical consumptive use of the irrigated land proposed for transfer are associated with a closed pressurized irrigation system including three center pivot systems and additional hand lines and wheel lines. Many of the general system loss components associated with open water delivery systems are not included so an irrigation application efficiency of 75% appears appropriate. The closest Agrimet station is Glenns Ferry which closely matches the determined crop water use. Simulations were conducted at 75% of the base water right supply for each of the last 5 years based on the determined crop and soil type to evaluate the potential reduction in historical consumptive historical use resulting from crop water shortage stress. Based on the simulations conducted for the 2014-2018 period, crop yields and corresponding water consumption was reduced between 5 and 9 percent as a result of simulated water availability. Typically, farm operators will shut down less productive areas and concentrate the remaining available water supply in the most valuable crops and this is reflected in the yield loss.

According to IDWR Transfer Processing Policies and Procedures, the “highest-year historic consumptive use (i.e. highest-use crop rotation using a climatic average for crop water use estimates), except for supplemental rights, will be the basis for the annual volume of consumptive use available for transfer.”⁴ As this simulation demonstrates, even with 25% of the water unavailable for crop use, continuous irrigation with chance precipitation and soil moisture storage is able to meet over 90% of the simulated crop water need in each of the last 5 years.

As suspected by Mr. Bitzenburg of IDWR, during each of the 2014-2018 simulated irrigation seasons, the total crop consumptive use was subjected to some level of crop stress reducing the total crop consumptive use. Based on this analysis it appears likely that crop stress will regularly reduce the yield and corresponding total crop consumptive water use. The minimum reduction simulated in the last 5 years of climate data produces crop yields 95% of full yield in both 2017 and 2018 compared to the same crop given an unlimited water supply. A more appropriate reduction appears to be 5% according to the highest-year simulated historic consumptive use. Applying the 5% reduction to the calculated consumptive use of 1,006.6 mm (3.30 acre-ft per acre) results in an adjusted maximum 5-year historical crop consumptive use of 956.3 mm (3.14 acre-ft per acre).

Please review the contents of this report at your convenience, and if you have any

⁴ IDWR Administrator's Memorandum, Transfer Processing No. 24: Transfer Processing Policies and Procedures (December 21, 2009). (<https://idwr.idaho.gov/files/water-rights/transfer-process-24-transfer-processing-policies-and-procedures.pdf>)

questions or need copies or assistance with any of the data utilized in this analysis, please don't hesitate to contact me.

Sincerely,

Jason C. Helms, P.E.

Attachments: Appendix A: IDWR Letter dated February 6, 2019 re: Application for Transfer
Appendix B: Applications for Transfer (High Plains L&L - January, 2019)
Appendix C: Glenns Ferry Station ET-Idaho Precipitation Deficit Report
Appendix D: NRCS Soils Report (High Plains L&L)
Electronic attachment (Irrigation simulation output: hpd-ist-simulations.zip)

References

Irrigation Systems for Idaho Agriculture. Neibling, Howard. (University of Idaho College of Agriculture). (<https://www.cals.uidaho.edu/edComm/pdf/CIS/CIS1055.pdf>)

Irrigation Scheduling Using Water-use Tables. Ashley, R.O.; Neibling, W.H. (University of Idaho College of Agriculture). (<https://www.cals.uidaho.edu/edComm/pdf/CIS/CIS1039.pdf>)

Irrigation Scheduler Mobile. Hill, S.; Peters, T. (Washington State University Irrigated Agriculture Research and Extension Center (IAREC) (Weather.wsu.edu/sm))

Soil-Plant-Water Relationships; Section 15: Irrigation (U.S. Department of Agriculture / Soil Conservation Service. (210-VI, NEH 15-1, 2nd Edition, Cec. 1991)

National Engineering Handbook, Part 623.1104, Chapter 11: Sprinkler Irrigation. U.S. Department of Agriculture / National Resource Conservation Service. (210-VI-NEH Amendment 80, August 2016)

IDWR Administrator's Memorandum, Transfer Processing No. 24: Transfer Processing Policies and Procedures (December 21, 2009). (<https://idwr.idaho.gov/files/water-rights/transfer-process-24-transfer-processing-policies-and-procedures.pdf>)

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APPENDIX C



Please send suggestions for improving this
site to [robison at uidaho dot edu](mailto:robison@uidaho.edu)

2019-03-26 20:09

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Glenns Ferry (NWS -- USC00103631)

Statistics based on thirty year normal spans 1973 to 2006 years

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Grass Pasture - high management Precipitation Deficit (Click here for a graph)																
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual	
Mean ^j	mm/day												mm			
Monthly ^c	-0.15	0.10	0.96	4.10	5.49	6.75	7.46	5.77	3.15	0.78	-0.46	-0.25	1059	-30	1034	
15-Day Moving Average ^d	-0.17	0.05	0.92	4.16	5.47	6.76	7.55	5.75	3.14	0.83	-0.51	-0.23				
7-Day Moving Average ^e	-0.17	0.07	0.93	4.13	5.50	6.74	7.53	5.77	3.15	0.80	-0.51	-0.25				
3-Day Moving Average ^f	-0.16	0.10	0.94	4.12	5.50	6.74	7.47	5.78	3.15	0.78	-0.45	-0.25				
Standard Deviation ^k	mm/day												mm			
Monthly ^c	0.48	0.24	1.32	0.78	1.61	0.94	0.95	0.77	0.80	1.25	0.53	0.57	94	18	98	
15-Day Moving Average ^d	0.52	0.28	1.07	1.03	1.57	1.18	0.80	0.78	0.93	1.06	0.76	0.52				
7-Day Moving Average ^e	0.79	0.47	1.27	1.51	2.02	1.55	0.96	0.98	1.29	1.38	1.17	0.70				
3-Day Moving Average ^f	1.08	0.67	1.58	2.03	2.56	2.05	1.45	1.35	1.67	1.79	1.63	1.06				
20% Exceedance ^l	mm/day												mm			
Monthly ^c	0.04	0.21	1.80	4.86	6.27	7.59	8.03	6.10	3.84	1.64	-0.03	0.02	1133	-13	1121	
15-Day Moving Average ^d	0.18	0.30	2.83	5.88	7.71	8.41	8.60	6.93	4.29	2.42	0.63	0.25				
7-Day Moving Average ^e	0.33	0.60	3.38	6.84	8.67	9.02	8.98	7.33	5.26	3.19	0.73	0.35				
3-Day Moving Average ^f	0.46	0.80	4.44	8.54	9.64	10.15	9.92	8.36	6.56	4.52	1.06	0.48				
80% Exceedance ^m	mm/day												mm			
Monthly ^c	-0.47	-0.03	0.13	3.46	4.59	5.84	6.72	5.53	2.16	-0.12	-0.98	-0.53	985	-50	950	
15-Day Moving Average ^d	-0.94	-0.28	-0.28	2.36	3.40	5.16	6.00	4.57	1.56	-0.60	-1.95	-1.07				
7-Day Moving Average ^e	-1.65	-0.67	-0.85	1.13	1.78	3.72	4.76	4.05	0.47	-2.07	-3.70	-2.22				
3-Day Moving Average ^f	-2.58	-1.61	-2.91	-2.21	-1.69	1.26	1.97	2.89	-1.97	-4.32	-7.68	-5.31				
Ave Highest P _{def}	mm/day												--			
15-Day Moving Average ^g	0.12	0.30	1.69	5.08	6.60	7.65	8.02	6.45	3.86	1.54	0.22	0.13				
7-Day Moving Average ^h	0.28	0.57	2.27	6.13	7.73	8.47	8.47	6.93	4.73	2.20	0.46	0.28				
3-Day Moving Average ⁱ	0.39	0.81	2.97	7.26	8.78	9.53	9.48	7.93	5.90	2.78	0.70	0.37				
Ave Lowest P _{def}	mm/day												--			
15-Day Moving Average ^g	-0.34	-0.14	0.27	3.24	4.32	5.80	6.94	5.06	2.37	0.09	-1.10	-0.61				
7-Day Moving Average ^h	-0.73	-0.48	-0.37	2.05	2.86	4.66	6.14	4.52	1.54	-0.85	-2.19	-1.16				
3-Day Moving Average ⁱ	-1.60	-1.27	-1.73	0.19	0.44	3.05	4.60	3.51	0.41	-2.52	-4.16	-2.72				
Special normal distribution parameters for monthly, seasonal, and annual intervals																

Special normal distribution parameters for monthly, seasonal, and annual intervals

Skew ^m	-0.92	2.97	0.41	0.46	-0.13	-0.78	-0.21	-0.43	-0.54	-0.14	-0.16	-0.62	0.15	0.08	-0.10
Kurtosis ^o	2.55	14.74	1.05	2.74	0.79	2.67	0.59	1.53	2.40	0.61	3.20	1.38	2.80	2.15	2.82

^a Growing Season: This is usually the time from green up or planting in the spring to a killing frost or harvest in the fall. It is not applicable for entries without a growing season and will be blank.

^b Nongrowing Season: This is usually the time from a killing frost or harvest in the fall to the green up in the spring. It is not applicable for entries without a growing season.

^c Mean of the average daily value for month

^d Mean of the fourteen 15-day period averages contained in the month

^e Mean of the twenty three 7-day period averages contained in the month

^f Mean of the twenty seven 3-day period averages contained in the month

^g Mean of the highest/lowest 15-day period average in month

^h Mean of the highest/lowest 7-day period average in month

ⁱ Mean of the highest/lowest 3-day period average in month

^j This value represents the mean value for the parameter for the month over the 'normal' period of record. Generally, the 'normal' period is the last thirty years with data.

^k This value represents the standard deviation for the parameter for the month over the 'normal' period.

^l This value represents the value for the parameter that has a 20% chance of being exceeded that month during any particular year. Conversely, there is an 80% chance that the parameter value will be less than the value shown.

^m This value represents the value for the parameter that has a 80% chance of being exceeded that month during any particular year. Conversely, there is an 20% chance that the parameter value will be less than the value shown.

ⁿ This value represents the skewness (asymmetry) of the distribution of the parameter values for the month (year) over the 'normal' period. A value near zero indicates that the distribution approximates a normal (Gaussian) and symmetrical distribution. A negative skew indicates that the parameter distribution has relatively few low values compared to high values. A positive skew indicates that the distribution has relatively few high values compared to the number of low values. A skew value near 1 indicates that the underlying distribution approximates a lognormal distribution.

^o This value represents the kurtosis of the parameter value distribution for the month (year) over the 'normal' period. Kurtosis is a measurement of the height to width ratio of the probability distribution, or the peakedness (slenderness). A normal (Gaussian) distribution has a kurtosis of 3. A high kurtosis distribution has a sharper peak and longer tails, while a low kurtosis distribution has a more rounded peak and shorter tails.

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The citation for the evapotranspiration data used from this site should be: Allen, Richard G. and Clarence W. Robison, 2017. Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho: Supplement updating the Time Series through December 2017, Research Technical Completion Report, Kimberly Research and Extension Center, University of Idaho, Moscow, ID.

Questions regarding the data should be addressed to [Richard G. Allen](#), or [Clarence W. Robison](#) University of Idaho, Kimberly Research and Extension Center, 3793 North 3600 East, Kimberly, ID 83341. Telephone (208)-423-6610

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APPENDIX D



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Jerome County and Part of Twin Falls County, Idaho



March 11, 2019

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units).

Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

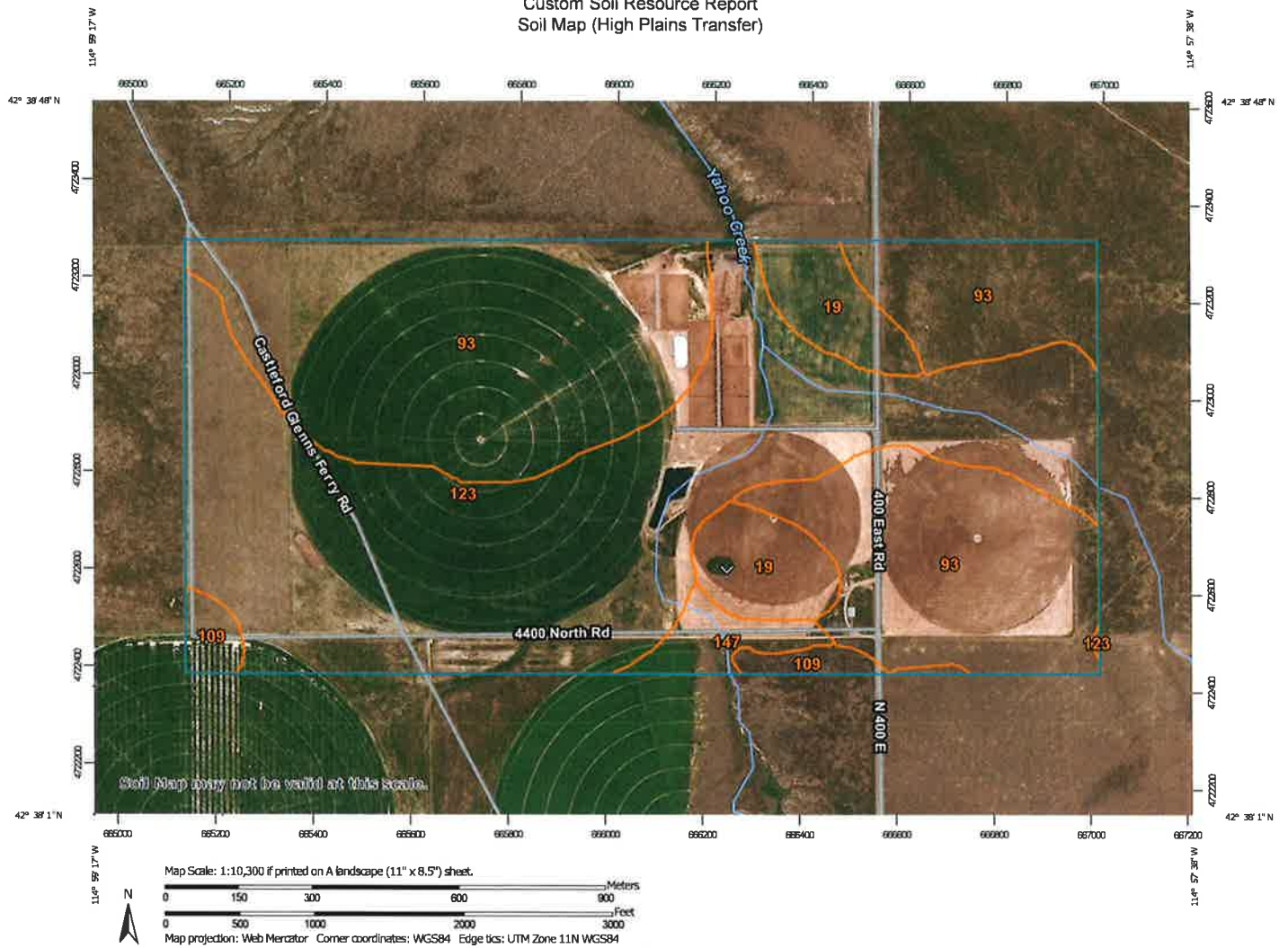
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map (High Plains Transfer)



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)			Spoil Area
	Area of Interest (AOI)		Stony Spot
Soils			Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
Special Point Features		Water Features	
	Blowout		Streams and Canals
	Borrow Pit	Transportation	
	Clay Spot		Rails
	Closed Depression		Interstate Highways
	Gravel Pit		US Routes
	Gravelly Spot		Major Roads
	Landfill		Local Roads
	Lava Flow	Background	
	Marsh or swamp		Aerial Photography
	Mine or Quarry		
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Jerome County and Part of Twin Falls County, Idaho
Survey Area Data: Version 12, Sep 14, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 30, 2014—Nov 8, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

Custom Soil Resource Report

MAP LEGEND

MAP INFORMATION

imagery displayed on these maps. As a result, some minor
shifting of map unit boundaries may be evident.

Map Unit Legend (High Plains Transfer)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
19	Bluegulch gravelly loam, 2 to 12 percent slopes	26.9	6.5%
93	Purdam silt loam, 1 to 4 percent slopes	190.5	45.8%
109	Roseworth silt loam, 1 to 8 percent slopes	8.4	2.0%
123	Sluka silt loam, 1 to 4 percent slopes	181.0	43.6%
147	Yahoo silt loam, 1 to 4 percent slopes	8.7	2.1%
Totals for Area of Interest		415.6	100.0%

Map Unit Descriptions (High Plains Transfer)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it

Custom Soil Resource Report

was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Jerome County and Part of Twin Falls County, Idaho

19—Bluegulch gravelly loam, 2 to 12 percent slopes

Map Unit Setting

National map unit symbol: 2pgs
Elevation: 3,500 to 4,000 feet
Mean annual precipitation: 8 to 10 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 120 to 140 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Bluegulch and similar soils: 80 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bluegulch

Setting

Landform: Ridges, dip slopes
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Colluvium over bedrock derived from welded tuff

Typical profile

A - 0 to 4 inches: gravelly loam
Bw - 4 to 20 inches: very gravelly loam
Bk - 20 to 44 inches: extremely gravelly sandy loam
R - 44 to 54 inches: bedrock

Properties and qualities

Slope: 2 to 12 percent
Depth to restrictive feature: 40 to 60 inches to lithic bedrock
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 5.0
Available water storage in profile: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: B
Ecological site: LOAMY 8-12 - Provisional (R011XY001ID)
Hydric soil rating: No

93—Purdam silt loam, 1 to 4 percent slopes

Map Unit Setting

National map unit symbol: 2pkf
Elevation: 2,000 to 5,000 feet
Mean annual precipitation: 8 to 12 inches
Mean annual air temperature: 45 to 52 degrees F
Frost-free period: 110 to 170 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Purdam and similar soils: 90 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Purdam

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or lacustrine deposits and/or loess

Typical profile

A - 0 to 4 inches: silt loam
Bt - 4 to 15 inches: silty clay loam
Bkq - 15 to 26 inches: silt loam
Bkqm - 26 to 51 inches: cemented material
2Bk - 51 to 66 inches: very fine sandy loam

Properties and qualities

Slope: 1 to 4 percent
Depth to restrictive feature: 20 to 40 inches to duripan
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 30 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 5.0
Available water storage in profile: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: C
Ecological site: LOAMY 8-12 - Provisional (R011XY001ID)
Hydric soil rating: No

109—Roseworth silt loam, 1 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2pf6
Elevation: 4,000 to 4,600 feet
Mean annual precipitation: 8 to 10 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 100 to 120 days
Farmland classification: Not prime farmland

Map Unit Composition

Roseworth and similar soils: 80 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Roseworth

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Volcanic ash and/or mixed alluvium and/or loess

Typical profile

A - 0 to 3 inches: silt loam
Bt - 3 to 8 inches: silty clay loam
Bk - 8 to 15 inches: silt loam
Bkqm - 15 to 18 inches: cemented material
2Bkq - 18 to 27 inches: sandy loam
2Bkqm - 27 to 45 inches: cemented material

Properties and qualities

Slope: 1 to 8 percent
Depth to restrictive feature: 10 to 20 inches to duripan; 12 to 43 inches to duripan
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 30 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 10.0
Available water storage in profile: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: LOAMY 8-12 - Provisional (R011XY001ID)

Custom Soil Resource Report

Hydric soil rating: No

Minor Components

Playas, saline

Percent of map unit: 1 percent

Hydric soil rating: Yes

123—Sluka silt loam, 1 to 4 percent slopes

Map Unit Setting

National map unit symbol: 2pfq

Elevation: 3,000 to 4,500 feet

Mean annual precipitation: 8 to 10 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 120 to 140 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Sluka and similar soils: 90 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Sluka

Setting

Landform: Terraces, lava plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed alluvium

Typical profile

A - 0 to 14 inches: silt loam

Bkq - 14 to 22 inches: silt loam

Bkqm - 22 to 39 inches: cemented material

2Bk - 39 to 72 inches: loam

Properties and qualities

Slope: 1 to 4 percent

Depth to restrictive feature: 20 to 40 inches to duripan

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 25 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 5.0

Available water storage in profile: Low (about 3.7 inches)

Custom Soil Resource Report

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: C
Ecological site: LOAMY 8-12 - Provisional (R011XY001ID)
Hydric soil rating: No

147—Yahoo silt loam, 1 to 4 percent slopes

Map Unit Setting

National map unit symbol: 2pgk
Elevation: 3,000 to 4,300 feet
Mean annual precipitation: 8 to 10 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 140 days
Farmland classification: Not prime farmland

Map Unit Composition

Yahoo and similar soils: 90 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Yahoo

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

A - 0 to 3 inches: silt loam
Bk - 3 to 14 inches: silt loam
Bkqm - 14 to 60 inches: cemented material

Properties and qualities

Slope: 1 to 4 percent
Depth to restrictive feature: 12 to 20 inches to duripan
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 30 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 5.0
Available water storage in profile: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6s

Custom Soil Resource Report

Hydrologic Soil Group: D

Hydric soil rating: No

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SOUTHERN REGION

Field Report from Irrigation Scheduler Mobile.

All units are in inches.

Washingt

Start Date: 03-15-2014

End Date: 11-15-2014

Day of Year	Date	Reference	Crop Coeff	Unstressed Stress Coef	Crop ET	Precipitatic	Irrigation	Root Depth	Field Capac	Wilting Poi	Avail. Water	
74	03-15-201	0.22	0.25	0.055	1	0.055	0	0	24	8.6	4	4.6
75	03-16-201	0.23	0.25	0.058	1	0.058	0	0	24.2727	8.69773	4.04545	4.65227
76	03-17-201	0.31	0.25	0.078	1	0.078	0	0	24.5455	8.79545	4.09091	4.70455
77	03-18-201	0.19	0.25	0.048	1	0.048	0	0	24.8182	8.89318	4.13636	4.75682
78	03-19-201	0.16	0.25	0.04	1	0.04	0	0	25.0909	8.99091	4.18182	4.80909
79	03-20-201	0.21	0.25	0.053	1	0.053	0	0	25.3636	9.08864	4.22727	4.86136
80	03-21-201	0.16	0.25	0.04	1	0.04	0	0	25.6364	9.18636	4.27273	4.91364
81	03-22-201	0.2	0.25	0.05	1	0.05	0	0	25.9091	9.28409	4.31818	4.96591
82	03-23-201	0.22	0.25	0.055	1	0.055	0	0	26.1818	9.38182	4.36364	5.01818
83	03-24-201	0.19	0.25	0.048	1	0.048	0	0	26.4545	9.47955	4.40909	5.07045
84	03-25-201	0.39	0.25	0.098	1	0.098	0	0	26.7273	9.57727	4.45455	5.12273
85	03-26-201	0.18	0.25	0.045	1	0.045	0	0	27	9.675	4.5	5.175
86	03-27-201	0.16	0.25	0.04	1	0.04	0	0	27.2727	9.77273	4.54545	5.22727
87	03-28-201	0.11	0.25	0.028	1	0.028	0	0	27.5455	9.87045	4.59091	5.27955
88	03-29-201	0.08	0.262903	0.021	1	0.021	0.15	0	27.8182	9.96818	4.63636	5.33182
89	03-30-201	0.16	0.275806	0.044	1	0.044	0.04	0	28.0909	10.0659	4.68182	5.38409
90	03-31-201	0.16	0.28871	0.046	1	0.046	0	0	28.3636	10.1636	4.72727	5.43636
91	04-01-201	0.05	0.301613	0.015	1	0.015	0.1	0	28.6364	10.2614	4.77273	5.48864
92	04-02-201	0.1	0.314516	0.031	1	0.031	0.03	0	28.9091	10.3591	4.81818	5.54091
93	04-03-201	0.15	0.327419	0.049	1	0.049	0	0	29.1818	10.4568	4.86364	5.59318
94	04-04-201	0.15	0.340323	0.051	1	0.051	0	0	29.4545	10.5545	4.90909	5.64545
95	04-05-201	0.2	0.353226	0.071	1	0.071	0	0	29.7273	10.6523	4.95455	5.69773
96	04-06-201	0.23	0.366129	0.084	1	0.084	0.02	0	30	10.75	5	5.75
97	04-07-201	0.27	0.379032	0.102	1	0.102	0	0	30.2727	10.8477	5.04545	5.80227
98	04-08-201	0.26	0.391935	0.102	1	0.102	0	0	30.5455	10.9455	5.09091	5.85455
99	04-09-201	0.094	0.404839	0.038	1	0.038	0	0	30.8182	11.0432	5.13636	5.90682
100	04-10-201	0.109	0.417742	0.045	1	0.045	0	0	31.0909	11.1409	5.18182	5.95909

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101	04-11-201	0.116	0.430645	0.05	0	0	31.3636	11.2386	5.22727	6.01136		
102	04-12-201	0.123	0.443548	0.054	1	0.054	0	0	31.6364	11.3364	5.27273	6.06364
103	04-13-201	0.136	0.456452	0.062	1	0.062	0	0	31.9091	11.4341	5.31818	6.11591
104	04-14-201	0.133	0.469355	0.062	1	0.062	0	0	32.1818	11.5318	5.36364	6.16818
105	04-15-201	0.133	0.482258	0.064	1	0.064	0	0	32.4545	11.6295	5.40909	6.22045
106	04-16-201	0.26	0.495161	0.129	1	0.129	0	0.19	32.7273	11.7273	5.45455	6.27273
107	04-17-201	0.35	0.508065	0.178	1	0.178	0	0.19	33	11.825	5.5	6.325
108	04-18-201	0.28	0.520968	0.146	1	0.146	0	0.19	33.2727	11.9227	5.54545	6.37727
109	04-19-201	0.31	0.533871	0.166	1	0.166	0	0.19	33.5455	12.0205	5.59091	6.42955
110	04-20-201	0.36	0.546774	0.197	1	0.197	0	0.19	33.8182	12.1182	5.63636	6.48182
111	04-21-201	0.33	0.559677	0.185	1	0.185	0.02	0.19	34.0909	12.2159	5.68182	6.53409
112	04-22-201	0.18	0.572581	0.103	1	0.103	0.05	0.19	34.3636	12.3136	5.72727	6.58636
113	04-23-201	0.19	0.585484	0.111	1	0.111	0	0.19	34.6364	12.4114	5.77273	6.63864
114	04-24-201	0.15	0.598387	0.09	1	0.09	0.09	0.19	34.9091	12.5091	5.81818	6.69091
115	04-25-201	0.08	0.61129	0.049	1	0.049	0.06	0.19	35.1818	12.6068	5.86364	6.74318
116	04-26-201	0.25	0.624194	0.156	1	0.156	0.01	0.19	35.4545	12.7045	5.90909	6.79545
117	04-27-201	0.17	0.637097	0.108	1	0.108	0.07	0.19	35.7273	12.8023	5.95455	6.84773
118	04-28-201	0.23	0.65	0.15	1	0.15	0	0.19	36	12.9	6	6.9
119	04-29-201	0.22	0.65	0.143	1	0.143	0.02	0.19	36	12.9	6	6.9
120	04-30-201	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
121	05-01-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
122	05-02-201	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
123	05-03-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
124	05-04-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
125	05-05-201	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
126	05-06-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
127	05-07-201	0.33	0.65	0.215	1	0.215	0	0.19	36	12.9	6	6.9
128	05-08-201	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9
129	05-09-201	0.23	0.65	0.15	1	0.15	0.23	0.19	36	12.9	6	6.9
130	05-10-201	0.2	0.65	0.13	1	0.13	0.07	0.19	36	12.9	6	6.9
131	05-11-201	0.34	0.65	0.221	1	0.221	0.02	0.19	36	12.9	6	6.9
132	05-12-201	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
133	05-13-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
134	05-14-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9

135	05-15-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
136	05-16-201	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
137	05-17-201	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
138	05-18-201	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
139	05-19-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
140	05-20-201	0.22	0.65	0.143	1	0.143	0	0.19	36	12.9	6	6.9
141	05-21-201	0.2	0.65	0.13	1	0.13	0.01	0.19	36	12.9	6	6.9
142	05-22-201	0.34	0.65	0.221	1	0.221	0.02	0.19	36	12.9	6	6.9
143	05-23-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
144	05-24-201	0.51	0.65	0.332	1	0.332	0	0.19	36	12.9	6	6.9
145	05-25-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
146	05-26-201	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
147	05-27-201	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
148	05-28-201	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
149	05-29-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
150	05-30-201	0.33	0.65	0.215	1	0.215	0	0.19	36	12.9	6	6.9
151	05-31-201	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
152	06-01-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
153	06-02-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
154	06-03-201	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
155	06-04-201	0.55	0.65	0.358	1	0.358	0	0.19	36	12.9	6	6.9
156	06-05-201	0.51	0.65	0.332	1	0.332	0	0.19	36	12.9	6	6.9
157	06-06-201	0.56	0.65	0.364	1	0.364	0	0.19	36	12.9	6	6.9
158	06-07-201	0.51	0.65	0.332	1	0.332	0	0.19	36	12.9	6	6.9
159	06-08-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
160	06-09-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
161	06-10-201	0.62	0.65	0.403	1	0.403	0	0.19	36	12.9	6	6.9
162	06-11-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
163	06-12-201	0.56	0.65	0.364	1	0.364	0	0.19	36	12.9	6	6.9
164	06-13-201	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
165	06-14-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
166	06-15-201	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9
167	06-16-201	0.17	0.65	0.111	1	0.111	0.04	0.19	36	12.9	6	6.9
168	06-17-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9

169	06-18-201	0.16	0.65	0.104	1	0.104	0.03	0.19	36	12.9	6	6.9
170	06-19-201	0.34	0.65	0.221	1	0.221	0.02	0.19	36	12.9	6	6.9
171	06-20-201	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
172	06-21-201	0.55	0.65	0.358	1	0.358	0	0.19	36	12.9	6	6.9
173	06-22-201	0.5	0.65	0.325	1	0.325	0	0.19	36	12.9	6	6.9
174	06-23-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
175	06-24-201	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
176	06-25-201	0.5	0.65	0.325	1	0.325	0	0.19	36	12.9	6	6.9
177	06-26-201	0.32	0.65	0.208	1	0.208	0.05	0.19	36	12.9	6	6.9
178	06-27-201	0.32	0.65	0.208	1	0.208	0.01	0.19	36	12.9	6	6.9
179	06-28-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
180	06-29-201	0.47	0.65	0.306	1	0.306	0	0.19	36	12.9	6	6.9
181	06-30-201	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
182	07-01-201	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
183	07-02-201	0.57	0.65	0.371	1	0.371	0	0.19	36	12.9	6	6.9
184	07-03-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
185	07-04-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
186	07-05-201	0.58	0.65	0.377	1	0.377	0	0.19	36	12.9	6	6.9
187	07-06-201	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
188	07-07-201	0.69	0.65	0.449	0.931774	0.418	0	0.19	36	12.9	6	6.9
189	07-08-201	0.51	0.65	0.332	0.858376	0.285	0	0.19	36	12.9	6	6.9
190	07-09-201	0.67	0.65	0.436	0.827925	0.361	0	0.19	36	12.9	6	6.9
191	07-10-201	0.47	0.65	0.305	0.772994	0.236	0	0.19	36	12.9	6	6.9
192	07-11-201	0.44	0.65	0.286	0.758131	0.217	0	0.19	36	12.9	6	6.9
193	07-12-201	0.53	0.65	0.344	0.749491	0.258	0	0.19	36	12.9	6	6.9
194	07-13-201	0.44	0.65	0.286	0.727527	0.208	0	0.19	36	12.9	6	6.9
195	07-14-201	0.63	0.65	0.41	0.721706	0.296	0	0.19	36	12.9	6	6.9
196	07-15-201	0.7	0.65	0.455	0.687716	0.313	0	0.19	36	12.9	6	6.9
197	07-16-201	0.42	0.65	0.273	0.648132	0.177	0	0.19	36	12.9	6	6.9
198	07-17-201	0.42	0.65	0.273	0.652338	0.178	0	0.19	36	12.9	6	6.9
199	07-18-201	0.59	0.65	0.384	0.656174	0.252	0	0.19	36	12.9	6	6.9
200	07-19-201	0.58	0.65	0.377	0.636321	0.24	0	0.19	36	12.9	6	6.9
201	07-20-201	0.43	0.65	0.279	0.620253	0.173	0	0.19	36	12.9	6	6.9
202	07-21-201	0.32	0.65	0.208	0.625612	0.13	0	0.19	36	12.9	6	6.9

203	07-22-201	0.35	0.65	0.228	0.644894	0.147	0	0.19	36	12.9	6	6.9
204	07-23-201	0.49	0.65	0.319	0.658835	0.21	0	0.19	36	12.9	6	6.9
205	07-24-201	0.5	0.65	0.325	0.652446	0.212	0	0.19	36	12.9	6	6.9
206	07-25-201	0.5	0.65	0.325	0.645346	0.21	0	0.19	36	12.9	6	6.9
207	07-26-201	0.4	0.65	0.26	0.638989	0.166	0	0.19	36	12.9	6	6.9
208	07-27-201	0.34	0.65	0.221	0.646675	0.143	0	0.19	36	12.9	6	6.9
209	07-28-201	0.38	0.65	0.246	0.661839	0.163	0	0.19	36	12.9	6	6.9
210	07-29-201	0.43	0.65	0.279	0.670382	0.187	0	0.19	36	12.9	6	6.9
211	07-30-201	0.38	0.65	0.247	0.671228	0.166	0	0.19	36	12.9	6	6.9
212	07-31-201	0.46	0.65	0.299	0.679024	0.203	0.02	0.19	36	12.9	6	6.9
213	08-01-201	0.36	0.65	0.233	0.68127	0.159	0.01	0.19	36	12.9	6	6.9
214	08-02-201	0.43	0.65	0.279	0.69434	0.194	0.03	0.19	36	12.9	6	6.9
215	08-03-201	0.45	0.65	0.293	0.702691	0.206	0	0.19	36	12.9	6	6.9
216	08-04-201	0.35	0.65	0.228	0.697688	0.159	0	0.19	36	12.9	6	6.9
217	08-05-201	0.24	0.65	0.155	0.70776	0.11	0.2	0.19	36	12.9	6	6.9
218	08-06-201	0.06	0.65	0.039	0.797805	0.031	0.94	0.19	36	12.9	6	6.9
219	08-07-201	0.24	0.65	0.156	1	0.156	0.02	0.19	36	12.9	6	6.9
220	08-08-201	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
221	08-09-201	0.33	0.65	0.215	1	0.215	0	0.19	36	12.9	6	6.9
222	08-10-201	0.38	0.65	0.247	1	0.247	0.03	0.19	36	12.9	6	6.9
223	08-11-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
224	08-12-201	0.31	0.65	0.202	1	0.202	0.29	0.19	36	12.9	6	6.9
225	08-13-201	0.22	0.65	0.143	1	0.143	0	0.19	36	12.9	6	6.9
226	08-14-201	0.28	0.65	0.182	1	0.182	0.03	0.19	36	12.9	6	6.9
227	08-15-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
228	08-16-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
229	08-17-201	0.28	0.65	0.182	1	0.182	0	0.19	36	12.9	6	6.9
230	08-18-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
231	08-19-201	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
232	08-20-201	0.27	0.65	0.176	1	0.176	0.07	0.19	36	12.9	6	6.9
233	08-21-201	0.26	0.65	0.169	1	0.169	0.04	0.19	36	12.9	6	6.9
234	08-22-201	0.26	0.65	0.169	1	0.169	0.16	0.19	36	12.9	6	6.9
235	08-23-201	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
236	08-24-201	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9

237	08-25-201	0.16	0.65	0.104	1	0.104	0.09	0.19	36	12.9	6	6.9
238	08-26-201	0.22	0.65	0.143	1	0.143	0	0.19	36	12.9	6	6.9
239	08-27-201	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
240	08-28-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
241	08-29-201	0.28	0.65	0.182	1	0.182	0	0.19	36	12.9	6	6.9
242	08-30-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
243	08-31-201	0.28	0.65	0.182	1	0.182	0.01	0.19	36	12.9	6	6.9
244	09-01-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
245	09-02-201	0.3	0.648	0.194	1	0.194	0	0.19	36	12.9	6	6.9
246	09-03-201	0.38	0.646	0.245	1	0.245	0	0.19	36	12.9	6	6.9
247	09-04-201	0.25	0.644	0.161	1	0.161	0	0.19	36	12.9	6	6.9
248	09-05-201	0.26	0.642	0.167	1	0.167	0	0.19	36	12.9	6	6.9
249	09-06-201	0.31	0.64	0.198	1	0.198	0	0.19	36	12.9	6	6.9
250	09-07-201	0.31	0.638	0.198	1	0.198	0	0.19	36	12.9	6	6.9
251	09-08-201	0.25	0.636	0.159	1	0.159	0	0.19	36	12.9	6	6.9
252	09-09-201	0.44	0.634	0.279	1	0.279	0	0.19	36	12.9	6	6.9
253	09-10-201	0.4	0.632	0.253	1	0.253	0	0.19	36	12.9	6	6.9
254	09-11-201	0.35	0.63	0.221	1	0.221	0	0.19	36	12.9	6	6.9
255	09-12-201	0.37	0.628	0.232	1	0.232	0	0.19	36	12.9	6	6.9
256	09-13-201	0.32	0.626	0.2	1	0.2	0	0.19	36	12.9	6	6.9
257	09-14-201	0.28	0.624	0.175	1	0.175	0	0.19	36	12.9	6	6.9
258	09-15-201	0.3	0.622	0.187	1	0.187	0	0.19	36	12.9	6	6.9
259	09-16-201	0.33	0.62	0.205	1	0.205	0	0.19	36	12.9	6	6.9
260	09-17-201	0.3	0.618	0.185	1	0.185	0	0.19	36	12.9	6	6.9
261	09-18-201	0.29	0.616	0.179	1	0.179	0	0.19	36	12.9	6	6.9
262	09-19-201	0.38	0.614	0.233	1	0.233	0	0.19	36	12.9	6	6.9
263	09-20-201	0.24	0.612	0.147	1	0.147	0	0.19	36	12.9	6	6.9
264	09-21-201	0.15	0.61	0.092	1	0.092	0.14	0.19	36	12.9	6	6.9
265	09-22-201	0.17	0.608	0.103	1	0.103	0	0.19	36	12.9	6	6.9
266	09-23-201	0.27	0.606	0.164	1	0.164	0	0.19	36	12.9	6	6.9
267	09-24-201	0.39	0.604	0.236	1	0.236	0.01	0.19	36	12.9	6	6.9
268	09-25-201	0.45	0.602	0.271	1	0.271	0	0.19	36	12.9	6	6.9
269	09-26-201	0.32	0.6	0.192	1	0.192	0.05	0.19	36	12.9	6	6.9
270	09-27-201	0.11	0.598	0.066	1	0.066	0	0.19	36	12.9	6	6.9

271	09-28-201	0.14	0.596	0.083	1	0.083	0.3	0	36	12.9	6	6.9
272	09-29-201	0.06	0.594	0.036	1	0.036	0.48	0	36	12.9	6	6.9
273	09-30-201	0.14	0.592	0.083	1	0.083	0.04	0	36	12.9	6	6.9
274	10-01-201	0.23	0.59	0.136	1	0.136	0	0	36	12.9	6	6.9
275	10-02-201	0.2	0.588	0.118	1	0.118	0	0	36	12.9	6	6.9
276	10-03-201	0.18	0.586	0.105	1	0.105	0	0	36	12.9	6	6.9
277	10-04-201	0.22	0.584	0.128	1	0.128	0	0	36	12.9	6	6.9
278	10-05-201	0.28	0.582	0.163	1	0.163	0	0	36	12.9	6	6.9
279	10-06-201	0.26	0.58	0.151	1	0.151	0	0	36	12.9	6	6.9
280	10-07-201	0.18	0.578	0.104	1	0.104	0	0	36	12.9	6	6.9
281	10-08-201	0.27	0.576	0.156	1	0.156	0	0	36	12.9	6	6.9
282	10-09-201	0.2	0.574	0.115	1	0.115	0	0	36	12.9	6	6.9
283	10-10-201	0.21	0.572	0.12	1	0.12	0	0	36	12.9	6	6.9
284	10-11-201	0.21	0.57	0.12	1	0.12	0.06	0	36	12.9	6	6.9
285	10-12-201	0.22	0.568	0.125	1	0.125	0	0	36	12.9	6	6.9
286	10-13-201	0.23	0.566	0.13	1	0.13	0	0	36	12.9	6	6.9
287	10-14-201	0.36	0.564	0.203	1	0.203	0	0	36	12.9	6	6.9
288	10-15-201	0.22	0.562	0.124	1	0.124	0	0	36	12.9	6	6.9
289	10-16-201	0.15	0.56	0.084	1	0.084	0	0	36	12.9	6	6.9
290	10-17-201	0.23	0.558	0.128	1	0.128	0	0	36	12.9	6	6.9
291	10-18-201	0.17	0.556	0.094	0.954735	0.09	0	0	36	12.9	6	6.9
292	10-19-201	0.27	0.554	0.149	0.925671	0.138	0	0	36	12.9	6	6.9
293	10-20-201	0.29	0.552	0.16	0.881078	0.141	0	0	36	12.9	6	6.9
294	10-21-201	0.17	0.55	0.093	0.835654	0.078	0.15	0	36	12.9	6	6.9
295	10-22-201	0.13	0.548	0.071	0.858799	0.061	0	0	36	12.9	6	6.9
296	10-23-201	0.12	0.546	0.066	0.839095	0.055	0	0	36	12.9	6	6.9
297	10-24-201	0.14	0.544	0.077	0.821389	0.063	0	0	36	12.9	6	6.9
298	10-25-201	0.28	0.542	0.152	0.801242	0.122	0	0	36	12.9	6	6.9
299	10-26-201	0.11	0.54	0.059	0.76208	0.045	0.12	0	36	12.9	6	6.9
300	10-27-201	0.09	0.538	0.048	0.786149	0.038	0	0	36	12.9	6	6.9
301	10-28-201	0.12	0.536	0.065	0.773889	0.05	0	0	36	12.9	6	6.9
302	10-29-201	0.14	0.534	0.075	0.757858	0.057	0	0	36	12.9	6	6.9
303	10-30-201	0.27	0.532	0.143	0.739611	0.106	0	0	36	12.9	6	6.9
304	10-31-201	0.22	0.53	0.116	0.705396	0.082	0	0	36	12.9	6	6.9

305	11-01-201	0.07	0.528	0.037	0.678907	0.025	0	0	36	12.9	6	6.9
306	11-02-201	0.09	0.526	0.048	0.670825	0.032	0.17	0	36	12.9	6	6.9
307	11-03-201	0.09	0.524	0.048	0.715348	0.034	0	0	36	12.9	6	6.9
308	11-04-201	0.06	0.522	0.031	0.704483	0.022	0	0	36	12.9	6	6.9
309	11-05-201	0.08	0.52	0.042	0.697377	0.029	0	0	36	12.9	6	6.9
310	11-06-201	0.16	0.518	0.083	0.688034	0.057	0	0	36	12.9	6	6.9
311	11-07-201	0.11	0.516	0.057	0.669668	0.038	0	0	36	12.9	6	6.9
312	11-08-201	0.07	0.514	0.037	0.657427	0.024	0	0	36	12.9	6	6.9
313	11-09-201	0.08	0.512	0.042	0.649809	0.027	0.02	0	36	12.9	6	6.9
314	11-10-201	0.12	0.51	0.062	0.647678	0.04	0	0	36	12.9	6	6.9
315	11-11-201	0.12	0.508	0.061	0.634912	0.039	0	0	36	12.9	6	6.9
316	11-12-201	0.12	0.506	0.061	0.622447	0.038	0	0	36	12.9	6	6.9
317	11-13-201	0.12	0.504	0.061	0.610275	0.037	0	0	36	12.9	6	6.9
318	11-14-201	0.12	0.502	0.06	0.598388	0.036	0	0	36	12.9	6	6.9

Water Stor Current Wz Modeled A Root Zone Deep Percc Volumetric Measured , Modified F Forage Cutting Flag

6.07	8.6	100	0	0	35.8	No	No
6.13898	8.64023	98.764	0.0575	0	35.6	No	No
6.20795	8.66045	97.1304	0.135	0	35.3	No	No
6.27693	8.71068	96.1634	0.1825	0	35.1	No	No
6.34591	8.76841	95.3733	0.2225	0	34.9	No	No
6.41489	8.81364	94.3431	0.275	0	34.7	No	No
6.48386	8.87136	93.5893	0.315	0	34.6	No	No
6.55284	8.91909	92.6499	0.365	0	34.4	No	No
6.62182	8.96182	91.6304	0.42	0	34.2	No	No
6.6908	9.01205	90.7799	0.4675	0	34.1	No	No
6.75977	9.01227	88.9707	0.565	0	33.7	No	No
6.82875	9.065	88.2126	0.61	0	33.6	No	No
6.89773	9.12273	87.5652	0.65	0	33.5	No	No
6.9667	9.19296	87.1675	0.6775	0	33.4	No	No
7.03568	9.41965	89.7121	0.548532	0	33.9	No	No
7.10466	9.51325	89.7353	0.552661	0	33.9	No	No
7.17364	9.56478	88.9843	0.598855	0	33.7	No	No
7.24261	9.74743	90.6364	0.513936	0	34	No	No
7.31159	9.8437	90.6985	0.515387	0	34.1	No	No
7.38057	9.89232	89.9074	0.5645	0	33.9	No	No
7.44955	9.939	89.0966	0.615548	0	33.7	No	No
7.51852	9.96608	87.9567	0.686194	0	33.5	No	No
7.5875	9.9996	86.9495	0.750403	0	33.3	No	No
7.65648	9.99499	85.3033	0.852742	0	33	No	No
7.72545	9.99081	83.6939	0.954645	0	32.7	No	No
7.79443	10.0503	83.1914	0.992854	0	32.6	No	No
7.86341	10.1026	82.5766	1.03828	0	32.5	No	No

7.93239	10.1505	81.8985	1.08815	0	32.4	No	No
8.00136	10.1938	81.1575	1.14254	0	32.2	No	No
8.07034	10.2296	80.305	1.20453	0	32.1	No	No
8.13932	10.2649	79.4602	1.26693	0	31.9	No	No
8.2083	10.2985	78.602	1.33105	0	31.7	No	No
8.27727	10.4575	79.7569	1.26979	0	32	No	No
8.34625	10.5674	80.1168	1.25761	0	32	No	No
8.41523	10.7092	80.9717	1.21349	0	32.2	No	No
8.4842	10.8315	81.5075	1.18899	0	32.3	No	No
8.55318	10.9224	81.5511	1.19582	0	32.3	No	No
8.62216	11.0454	82.086	1.17052	0	32.4	No	No
8.69114	11.2801	84.3072	1.03358	0	32.8	No	No
8.76011	11.4565	85.6172	0.954824	0	33.1	No	No
8.82909	11.7445	88.5728	0.764582	0	33.6	No	No
8.89807	12.0433	91.6436	0.563485	0	34.2	No	No
8.96705	12.185	92.3547	0.519534	0	34.4	No	No
9.03602	12.4344	94.6283	0.36784	0	34.8	No	No
9.105	12.5727	95.2559	0.32734	0	34.9	No	No
9.105	12.6397	96.227	0.26034	0	35.1	No	No
9.105	12.6607	96.5313	0.23934	0	35.2	No	No
9.105	12.6427	96.2704	0.25734	0	35.1	No	No
9.105	12.5857	95.4443	0.31434	0	35	No	No
9.105	12.5222	94.5241	0.37784	0	34.8	No	No
9.105	12.4847	93.9806	0.41534	0	34.7	No	No
9.105	12.4992	94.1907	0.40084	0	34.7	No	No
9.105	12.4812	93.9298	0.41884	0	34.7	No	No
9.105	12.4567	93.5748	0.44334	0	34.6	No	No
9.105	12.4842	93.9733	0.41584	0	34.7	No	No
9.105	12.7547	97.8936	0.14534	0	35.4	No	No
9.105	12.8847	99.7777	0.01534	0	35.8	No	No
9.105	12.8737	99.6183	0.02634	0	35.8	No	No
9.105	12.8947	99.9226	0.00534	0	35.8	No	No
9.105	12.8832	99.7559	0.01684	0	35.8	No	No
9.105	12.8457	99.2125	0.05434	0	35.7	No	No

9.105	12.8082	98.669	0.09184	0	35.6	No	No
9.105	12.8032	98.5965	0.09684	0	35.6	No	No
9.105	12.7462	97.7704	0.15384	0	35.4	No	No
9.105	12.7022	97.1328	0.19784	0	35.3	No	No
9.105	12.6712	96.6835	0.22884	0	35.2	No	No
9.105	12.7182	97.3646	0.18184	0	35.3	No	No
9.105	12.7882	98.3791	0.11184	0	35.5	No	No
9.105	12.7772	98.2197	0.12284	0	35.5	No	No
9.105	12.7072	97.2052	0.19284	0	35.3	No	No
9.105	12.5657	95.1545	0.33434	0	34.9	No	No
9.105	12.4892	94.0458	0.41084	0	34.7	No	No
9.105	12.4062	92.8429	0.49384	0	34.5	No	No
9.105	12.3492	92.0168	0.55084	0	34.3	No	No
9.105	12.2272	90.2487	0.67284	0	34	No	No
9.105	12.1507	89.14	0.74934	0	33.8	No	No
9.105	12.1262	88.7849	0.77384	0	33.7	No	No
9.105	12.0432	87.582	0.85684	0	33.5	No	No
9.105	11.9537	86.2849	0.94634	0	33.2	No	No
9.105	11.8902	85.3646	1.00984	0	33	No	No
9.105	11.7877	83.8791	1.11234	0	32.7	No	No
9.105	11.6202	81.4516	1.27984	0	32.3	No	No
9.105	11.4787	79.4009	1.42134	0	31.9	No	No
9.105	11.3047	76.8791	1.59534	0	31.4	No	No
9.105	11.1632	74.8284	1.73684	0	31	No	No
9.105	11.0867	73.7197	1.81334	0	30.8	No	No
9.105	11.0102	72.611	1.88984	0	30.6	No	No
9.105	10.7972	69.5241	2.10284	0	30	No	No
9.105	10.7077	68.227	2.19234	0	29.7	No	No
9.105	10.5337	65.7052	2.36634	0	29.3	No	No
9.105	10.4247	64.1255	2.47534	0	29	No	No
9.105	10.3872	63.582	2.51284	0	28.9	No	No
9.105	10.4147	63.9806	2.48534	0	28.9	No	No
9.105	10.5342	65.7125	2.36584	0	29.3	No	No
9.105	10.5162	65.4516	2.38384	0	29.2	No	No

9.105	10.6322	67.1328	2.26784	0	29.5	No	No
9.105	10.6212	66.9733	2.27884	0	29.5	No	No
9.105	10.5187	65.4878	2.38134	0	29.2	No	No
9.105	10.3512	63.0603	2.54884	0	28.8	No	No
9.105	10.2162	61.1038	2.68384	0	28.4	No	No
9.105	10.1527	60.1835	2.74734	0	28.2	No	No
9.105	10.0567	58.7922	2.84334	0	27.9	No	No
9.105	9.92166	56.8356	2.97834	0	27.6	No	No
9.105	9.95366	57.2994	2.94634	0	27.6	No	No
9.105	9.94566	57.1835	2.95434	0	27.6	No	No
9.105	9.88216	56.2632	3.01784	0	27.5	No	No
9.105	9.76666	54.5893	3.13334	0	27.1	No	No
9.105	9.64466	52.8212	3.25534	0	26.8	No	No
9.105	9.52266	51.053	3.37734	0	26.5	No	No
9.105	9.34216	48.4371	3.55784	0	26	No	No
9.105	9.26566	47.3284	3.63434	0	25.7	No	No
9.105	9.18916	46.2197	3.71084	0	25.5	No	No
9.105	9.00216	43.5096	3.89784	0	25	No	No
9.105	8.89316	41.9299	4.00684	0	24.7	No	No
9.105	8.66526	38.6269	4.23474	0	24.1	No	No
9.105	8.57071	37.2566	4.32929	0	23.8	No	No
9.105	8.40015	34.7847	4.49985	0	23.3	No	No
9.105	8.354	34.1159	4.546	0	23.2	No	No
9.105	8.32717	33.7271	4.57283	0	23.1	No	No
9.105	8.25897	32.7387	4.64103	0	22.9	No	No
9.105	8.2409	32.4768	4.6591	0	22.9	No	No
9.105	8.13536	30.9472	4.76464	0	22.6	No	No
9.105	8.01245	29.1659	4.88755	0	22.3	No	No
9.105	8.02551	29.3552	4.87449	0	22.3	No	No
9.105	8.03742	29.5278	4.86258	0	22.3	No	No
9.105	7.97578	28.6345	4.92422	0	22.2	No	No
9.105	7.92588	27.9114	4.97412	0	22	No	No
9.105	7.94252	28.1525	4.95748	0	22.1	No	No
9.105	8.0024	29.0202	4.8976	0	22.2	No	No

9.105	8.04568	29.6476	4.85432	0	22.3	No	No
9.105	8.02584	29.3601	4.87416	0	22.3	No	No
9.105	8.0038	29.0406	4.8962	0	22.2	No	No
9.105	7.98406	28.7545	4.91594	0	22.2	No	No
9.105	8.00793	29.1004	4.89208	0	22.2	No	No
9.105	8.05501	29.7827	4.84499	0	22.4	No	No
9.105	8.08154	30.1672	4.81846	0	22.4	No	No
9.105	8.08416	30.2053	4.81584	0	22.5	No	No
9.105	8.10837	30.5561	4.79163	0	22.5	No	No
9.105	8.11534	30.6571	4.78466	0	22.5	No	No
9.105	8.15592	31.2453	4.74407	0	22.7	No	No
9.105	8.18186	31.6211	4.71814	0	22.7	No	No
9.105	8.16632	31.3959	4.73368	0	22.7	No	No
9.105	8.1976	31.8492	4.7024	0	22.8	No	No
9.105	8.47719	35.9012	4.42281	0	23.5	No	No
9.105	9.57607	51.8271	3.32393	0	26.6	No	No
9.105	9.63007	52.6097	3.26993	0	26.8	No	No
9.105	9.63157	52.6315	3.26843	0	26.8	No	No
9.105	9.60707	52.2764	3.29293	0	26.7	No	No
9.105	9.58007	51.8851	3.31993	0	26.6	No	No
9.105	9.49057	50.588	3.40943	0	26.4	No	No
9.105	9.76907	54.6242	3.13093	0	27.1	No	No
9.105	9.81607	55.3054	3.08393	0	27.3	No	No
9.105	9.85407	55.8561	3.04593	0	27.4	No	No
9.105	9.84257	55.6894	3.05743	0	27.3	No	No
9.105	9.81157	55.2402	3.08843	0	27.3	No	No
9.105	9.81957	55.3561	3.08043	0	27.3	No	No
9.105	9.80807	55.1894	3.09193	0	27.2	No	No
9.105	9.75107	54.3633	3.14893	0	27.1	No	No
9.105	9.83557	55.588	3.06443	0	27.3	No	No
9.105	9.89657	56.472	3.00343	0	27.5	No	No
9.105	10.0776	59.0952	2.82243	0	28	No	No
9.105	10.0791	59.117	2.82093	0	28	No	No
9.105	10.1131	59.6097	2.78693	0	28.1	No	No

9.105	10.2891	62.1604	2.61093	0	28.6	No	No
9.105	10.3361	62.8416	2.56393	0	28.7	No	No
9.105	10.3571	63.146	2.54293	0	28.8	No	No
9.105	10.3196	62.6025	2.58043	0	28.7	No	No
9.105	10.3276	62.7184	2.57243	0	28.7	No	No
9.105	10.2966	62.2691	2.60343	0	28.6	No	No
9.105	10.3146	62.53	2.58543	0	28.7	No	No
9.105	10.2966	62.2691	2.60343	0	28.6	No	No
9.105	10.2922	62.2054	2.60783	0	28.6	No	No
9.105	10.2367	61.4013	2.66331	0	28.4	No	No
9.105	10.2657	61.8216	2.63431	0	28.5	No	No
9.105	10.2888	62.1561	2.61123	0	28.6	No	No
9.105	10.2804	62.0344	2.61963	0	28.6	No	No
9.105	10.2726	61.9216	2.62741	0	28.5	No	No
9.105	10.3036	62.3709	2.59641	0	28.6	No	No
9.105	10.2146	61.0816	2.68537	0	28.4	No	No
9.105	10.1518	60.1715	2.74817	0	28.2	No	No
9.105	10.1213	59.7294	2.77867	0	28.1	No	No
9.105	10.079	59.1155	2.82103	0	28	No	No
9.105	10.0687	58.966	2.83135	0	28	No	No
9.105	10.0839	59.1874	2.81607	0	28	No	No
9.105	10.0873	59.2367	2.81267	0	28	No	No
9.105	10.0727	59.0251	2.82727	0	28	No	No
9.105	10.0773	59.0918	2.82267	0	28	No	No
9.105	10.0887	59.2564	2.81131	0	28	No	No
9.105	10.0454	58.6286	2.85463	0	27.9	No	No
9.105	10.0885	59.2535	2.81151	0	28	No	No
9.105	10.327	62.71	2.57301	0	28.7	No	No
9.105	10.4136	63.9657	2.48637	0	28.9	No	No
9.105	10.44	64.348	2.45999	0	29	No	No
9.105	10.4045	63.8326	2.49555	0	28.9	No	No
9.105	10.3236	62.6602	2.57645	0	28.7	No	No
9.105	10.3716	63.3558	2.52845	0	28.8	No	No
9.105	10.4958	65.1561	2.40423	0	29.2	No	No

9.105	10.7123	68.2946	2.18767	0	29.8	No	No
9.105	11.1567	74.7346	1.74331	0	31	No	No
9.105	11.1138	74.1132	1.78619	0	30.9	No	No
9.105	10.9781	72.1465	1.92189	0	30.5	No	No
9.105	10.8605	70.4422	2.03949	0	30.2	No	No
9.105	10.755	68.9135	2.14497	0	29.9	No	No
9.105	10.6266	67.0515	2.27345	0	29.5	No	No
9.105	10.4636	64.6897	2.43641	0	29.1	No	No
9.105	10.3128	62.5042	2.58721	0	28.6	No	No
9.105	10.2088	60.9964	2.69125	0	28.4	No	No
9.105	10.0532	58.7425	2.84677	0	27.9	No	No
9.105	9.93843	57.0787	2.96157	0	27.6	No	No
9.105	9.81831	55.3378	3.08169	0	27.3	No	No
9.105	9.75861	54.4726	3.14139	0	27.1	No	No
9.105	9.63365	52.6616	3.26635	0	26.8	No	No
9.105	9.50347	50.7749	3.39653	0	26.4	No	No
9.105	9.30043	47.8323	3.59957	0	25.8	No	No
9.105	9.17679	46.0404	3.72321	0	25.5	No	No
9.105	9.09279	44.8231	3.80721	0	25.3	No	No
9.105	8.96445	42.9631	3.93555	0	24.9	No	No
9.105	8.87421	41.6552	4.02579	0	24.7	No	No
9.105	8.73575	39.6485	4.16425	0	24.3	No	No
9.105	8.5947	37.6044	4.3053	0	23.9	No	No
9.105	8.66657	38.646	4.23343	0	24.1	No	No
9.105	8.60539	37.7593	4.29461	0	23.9	No	No
9.105	8.55041	36.9625	4.34959	0	23.8	No	No
9.105	8.48786	36.0559	4.41214	0	23.6	No	No
9.105	8.36626	34.2936	4.53374	0	23.2	No	No
9.105	8.44099	35.3767	4.45901	0	23.4	No	No
9.105	8.40293	34.825	4.49707	0	23.3	No	No
9.105	8.35315	34.1036	4.54685	0	23.2	No	No
9.105	8.29649	33.2825	4.60351	0	23	No	No
9.105	8.19025	31.7428	4.70975	0	22.8	No	No
9.105	8.10801	30.5508	4.79199	0	22.5	No	No

9.105	8.08291	30.1871	4.81709	0	22.5	No	No
9.105	8.22116	32.1907	4.67884	0	22.8	No	No
9.105	8.18742	31.7017	4.71258	0	22.7	No	No
9.105	8.16536	31.382	4.73464	0	22.7	No	No
9.105	8.13634	30.9615	4.76366	0	22.6	No	No
9.105	8.07932	30.1351	4.82068	0	22.4	No	No
9.105	8.04131	29.5842	4.85869	0	22.3	No	No
9.105	8.01766	29.2414	4.88234	0	22.3	No	No
9.105	8.01104	29.1455	4.88896	0	22.3	No	No
9.105	7.9714	28.571	4.9286	0	22.1	No	No
9.105	7.9327	28.0101	4.9673	0	22	No	No
9.105	7.8949	27.4624	5.0051	0	21.9	No	No
9.105	7.85799	26.9274	5.04201	0	21.8	No	No
9.105	7.82195	26.405	5.07805	0	21.7	No	No

Field Report from Irrigation Scheduler Mobile.

All units are in inches.

Washingt

Start Date: 03-15-2015

End Date: 11-15-2015

Day of Year	Date	Reference	Crop Coeff	Unstressed	Stress Coef	Crop ET	Precipitatio	Irrigation	Root Depth	Field Capac	Wilting Poi	Avail. Water
74	03-15-201	0.1	0.25	0.025	1	0.025	0	0	24	8.6	4	4.6
75	03-16-201	0.15	0.25	0.038	1	0.038	0	0.19	24.2727	8.69773	4.04545	4.65227
76	03-17-201	0.12	0.25	0.03	1	0.03	0	0.19	24.5455	8.79545	4.09091	4.70455
77	03-18-201	0.2	0.25	0.05	1	0.05	0	0.19	24.8182	8.89318	4.13636	4.75682
78	03-19-201	0.16	0.25	0.04	1	0.04	0	0.19	25.0909	8.99091	4.18182	4.80909
79	03-20-201	0.25	0.25	0.063	1	0.063	0.02	0.19	25.3636	9.08864	4.22727	4.86136
80	03-21-201	0.2	0.25	0.05	1	0.05	0	0	25.6364	9.18636	4.27273	4.91364
81	03-22-201	0.22	0.25	0.055	1	0.055	0	0	25.9091	9.28409	4.31818	4.96591
82	03-23-201	0.15	0.25	0.038	1	0.038	0	0	26.1818	9.38182	4.36364	5.01818
83	03-24-201	0.14	0.25	0.035	1	0.035	0.12	0	26.4545	9.47955	4.40909	5.07045
84	03-25-201	0.15	0.25	0.038	1	0.038	0	0	26.7273	9.57727	4.45455	5.12273
85	03-26-201	0.17	0.25	0.043	1	0.043	0.01	0	27	9.675	4.5	5.175
86	03-27-201	0.25	0.25	0.063	1	0.063	0	0	27.2727	9.77273	4.54545	5.22727
87	03-28-201	0.24	0.25	0.06	1	0.06	0	0	27.5455	9.87045	4.59091	5.27955
88	03-29-201	0.2	0.262903	0.053	1	0.053	0	0	27.8182	9.96818	4.63636	5.33182
89	03-30-201	0.3	0.275806	0.083	1	0.083	0	0	28.0909	10.0659	4.68182	5.38409
90	03-31-201	0.35	0.28871	0.101	1	0.101	0	0.19	28.3636	10.1636	4.72727	5.43636
91	04-01-201	0.19	0.301613	0.057	1	0.057	0	0	28.6364	10.2614	4.77273	5.48864
92	04-02-201	0.21	0.314516	0.066	1	0.066	0	0	28.9091	10.3591	4.81818	5.54091
93	04-03-201	0.2	0.327419	0.065	1	0.065	0	0	29.1818	10.4568	4.86364	5.59318
94	04-04-201	0.19	0.340323	0.065	1	0.065	0.01	0	29.4545	10.5545	4.90909	5.64545
95	04-05-201	0.15	0.353226	0.053	1	0.053	0	0	29.7273	10.6523	4.95455	5.69773
96	04-06-201	0.18	0.366129	0.066	1	0.066	0.01	0	30	10.75	5	5.75
97	04-07-201	0.23	0.379032	0.087	1	0.087	0.06	0.19	30.2727	10.8477	5.04545	5.80227
98	04-08-201	0.18	0.391935	0.071	1	0.071	0	0	30.5455	10.9455	5.09091	5.85455
99	04-09-201	0.094	0.404839	0.038	1	0.038	0	0	30.8182	11.0432	5.13636	5.90682
100	04-10-201	0.109	0.417742	0.045	1	0.045	0	0	31.0909	11.1409	5.18182	5.95909

101	04-11-201	0.116	0.430645	0.05	1	0.05	0	0	31.3636	11.2386	5.22727	6.01136
102	04-12-201	0.123	0.443548	0.054	1	0.054	0	0.19	31.6364	11.3364	5.27273	6.06364
103	04-13-201	0.136	0.456452	0.062	1	0.062	0	0.19	31.9091	11.4341	5.31818	6.11591
104	04-14-201	0.133	0.469355	0.062	1	0.062	0	0.19	32.1818	11.5318	5.36364	6.16818
105	04-15-201	0.133	0.482258	0.064	1	0.064	0	0.19	32.4545	11.6295	5.40909	6.22045
106	04-16-201	0.23	0.495161	0.114	1	0.114	0	0.19	32.7273	11.7273	5.45455	6.27273
107	04-17-201	0.28	0.508065	0.142	1	0.142	0.02	0.19	33	11.825	5.5	6.325
108	04-18-201	0.4	0.520968	0.208	1	0.208	0	0	33.2727	11.9227	5.54545	6.37727
109	04-19-201	0.26	0.533871	0.139	1	0.139	0	0.19	33.5455	12.0205	5.59091	6.42955
110	04-20-201	0.26	0.546774	0.142	1	0.142	0	0.19	33.8182	12.1182	5.63636	6.48182
111	04-21-201	0.29	0.559677	0.162	1	0.162	0	0.19	34.0909	12.2159	5.68182	6.53409
112	04-22-201	0.3	0.572581	0.172	1	0.172	0	0.19	34.3636	12.3136	5.72727	6.58636
113	04-23-201	0.34	0.585484	0.199	1	0.199	0.01	0.19	34.6364	12.4114	5.77273	6.63864
114	04-24-201	0.19	0.598387	0.114	1	0.114	0	0.19	34.9091	12.5091	5.81818	6.69091
115	04-25-201	0.14	0.61129	0.086	1	0.086	0	0.19	35.1818	12.6068	5.86364	6.74318
116	04-26-201	0.29	0.624194	0.181	1	0.181	0	0.19	35.4545	12.7045	5.90909	6.79545
117	04-27-201	0.22	0.637097	0.14	1	0.14	0	0.19	35.7273	12.8023	5.95455	6.84773
118	04-28-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
119	04-29-201	0.34	0.65	0.221	1	0.221	0.01	0.19	36	12.9	6	6.9
120	04-30-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
121	05-01-201	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
122	05-02-201	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
123	05-03-201	0.33	0.65	0.215	1	0.215	0	0.19	36	12.9	6	6.9
124	05-04-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
125	05-05-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
126	05-06-201	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
127	05-07-201	0.16	0.65	0.104	1	0.104	0.06	0.19	36	12.9	6	6.9
128	05-08-201	0.19	0.65	0.124	1	0.124	0	0.19	36	12.9	6	6.9
129	05-09-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
130	05-10-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
131	05-11-201	0.39	0.65	0.254	1	0.254	0.01	0.19	36	12.9	6	6.9
132	05-12-201	0.28	0.65	0.182	1	0.182	0.01	0.19	36	12.9	6	6.9
133	05-13-201	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9
134	05-14-201	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9

135	05-15-201	0.21	0.65	0.137	1	0.137	0.03	0.19	36	12.9	6	6.9
136	05-16-201	0.21	0.65	0.137	1	0.137	0.29	0.19	36	12.9	6	6.9
137	05-17-201	0.19	0.65	0.124	1	0.124	0	0.19	36	12.9	6	6.9
138	05-18-201	0.24	0.65	0.156	1	0.156	0.01	0.19	36	12.9	6	6.9
139	05-19-201	0.13	0.65	0.085	1	0.085	0.02	0.19	36	12.9	6	6.9
140	05-20-201	0.16	0.65	0.104	1	0.104	0.02	0.19	36	12.9	6	6.9
141	05-21-201	0.26	0.65	0.169	1	0.169	0.01	0.19	36	12.9	6	6.9
142	05-22-201	0.19	0.65	0.124	1	0.124	0.03	0.19	36	12.9	6	6.9
143	05-23-201	0.22	0.65	0.143	1	0.143	0.06	0.19	36	12.9	6	6.9
144	05-24-201	0.27	0.65	0.176	1	0.176	0.06	0.19	36	12.9	6	6.9
145	05-25-201	0.23	0.65	0.15	1	0.15	0.01	0.19	36	12.9	6	6.9
146	05-26-201	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9
147	05-27-201	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
148	05-28-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
149	05-29-201	0.37	0.65	0.241	1	0.241	0.01	0.19	36	12.9	6	6.9
150	05-30-201	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
151	05-31-201	0.37	0.65	0.241	1	0.241	0	0.19	36	12.9	6	6.9
152	06-01-201	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
153	06-02-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
154	06-03-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
155	06-04-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
156	06-05-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
157	06-06-201	0.32	0.65	0.208	1	0.208	0.1	0.19	36	12.9	6	6.9
158	06-07-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
159	06-08-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
160	06-09-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
161	06-10-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
162	06-11-201	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
163	06-12-201	0.6	0.65	0.39	1	0.39	0	0.19	36	12.9	6	6.9
164	06-13-201	0.53	0.65	0.345	1	0.345	0	0.19	36	12.9	6	6.9
165	06-14-201	0.47	0.65	0.306	1	0.306	0	0.19	36	12.9	6	6.9
166	06-15-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
167	06-16-201	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
168	06-17-201	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9

169	06-18-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
170	06-19-201	0.53	0.65	0.345	1	0.345	0	0.19	36	12.9	6	6.9
171	06-20-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
172	06-21-201	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
173	06-22-201	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
174	06-23-201	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
175	06-24-201	0.52	0.65	0.338	1	0.338	0	0.19	36	12.9	6	6.9
176	06-25-201	0.59	0.65	0.384	1	0.384	0	0.19	36	12.9	6	6.9
177	06-26-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
178	06-27-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
179	06-28-201	0.52	0.65	0.338	1	0.338	0	0.19	36	12.9	6	6.9
180	06-29-201	0.54	0.65	0.351	1	0.351	0	0.19	36	12.9	6	6.9
181	06-30-201	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
182	07-01-201	0.63	0.65	0.41	1	0.41	0	0.19	36	12.9	6	6.9
183	07-02-201	0.56	0.65	0.364	1	0.364	0	0.19	36	12.9	6	6.9
184	07-03-201	0.6	0.65	0.39	1	0.39	0	0.19	36	12.9	6	6.9
185	07-04-201	0.56	0.65	0.364	1	0.364	0	0.19	36	12.9	6	6.9
186	07-05-201	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
187	07-06-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
188	07-07-201	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
189	07-08-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
190	07-09-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
191	07-10-201	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
192	07-11-201	0.29	0.65	0.189	1	0.189	0.06	0.19	36	12.9	6	6.9
193	07-12-201	0.28	0.65	0.182	1	0.182	0.03	0.19	36	12.9	6	6.9
194	07-13-201	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
195	07-14-201	0.11	0.65	0.072	1	0.072	0	0.19	36	12.9	6	6.9
196	07-15-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
197	07-16-201	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
198	07-17-201	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
199	07-18-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
200	07-19-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
201	07-20-201	0.41	0.65	0.266	0.969731	0.258	0	0.19	36	12.9	6	6.9
202	07-21-201	0.39	0.65	0.253	0.947691	0.24	0.01	0.19	36	12.9	6	6.9

203	07-22-201	0.3	0.65	0.195	0.934732	0.182	0.28	0.19	36	12.9	6	6.9
204	07-23-201	0.29	0.65	0.189	1	0.189	0.16	0.19	36	12.9	6	6.9
205	07-24-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
206	07-25-201	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
207	07-26-201	0.52	0.65	0.338	1	0.338	0	0.19	36	12.9	6	6.9
208	07-27-201	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
209	07-28-201	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
210	07-29-201	0.34	0.65	0.22	0.975062	0.215	0.03	0.19	36	12.9	6	6.9
211	07-30-201	0.41	0.65	0.266	0.976515	0.26	0	0.19	36	12.9	6	6.9
212	07-31-201	0.38	0.65	0.247	0.953893	0.236	0	0.19	36	12.9	6	6.9
213	08-01-201	0.44	0.65	0.286	0.939204	0.269	0	0.19	36	12.9	6	6.9
214	08-02-201	0.38	0.65	0.247	0.913886	0.226	0	0.19	36	12.9	6	6.9
215	08-03-201	0.34	0.65	0.221	0.902378	0.199	0	0.19	36	12.9	6	6.9
216	08-04-201	0.38	0.65	0.247	0.899343	0.222	0.04	0.19	36	12.9	6	6.9
217	08-05-201	0.17	0.65	0.111	0.901875	0.1	0	0.19	36	12.9	6	6.9
218	08-06-201	0.34	0.65	0.221	0.930971	0.206	0	0.19	36	12.9	6	6.9
219	08-07-201	0.2	0.65	0.13	0.9259	0.12	0	0.19	36	12.9	6	6.9
220	08-08-201	0.21	0.65	0.136	0.948326	0.129	0.01	0.19	36	12.9	6	6.9
221	08-09-201	0.42	0.65	0.273	0.971049	0.265	0.01	0.19	36	12.9	6	6.9
222	08-10-201	0.48	0.65	0.312	0.950084	0.296	0	0.19	36	12.9	6	6.9
223	08-11-201	0.49	0.65	0.319	0.915808	0.292	0	0.19	36	12.9	6	6.9
224	08-12-201	0.44	0.65	0.287	0.883059	0.253	0	0.19	36	12.9	6	6.9
225	08-13-201	0.49	0.65	0.319	0.862913	0.275	0	0.19	36	12.9	6	6.9
226	08-14-201	0.42	0.65	0.273	0.83559	0.228	0	0.19	36	12.9	6	6.9
227	08-15-201	0.43	0.65	0.279	0.823314	0.23	0	0.19	36	12.9	6	6.9
228	08-16-201	0.36	0.65	0.234	0.810394	0.19	0	0.19	36	12.9	6	6.9
229	08-17-201	0.48	0.65	0.312	0.810513	0.253	0	0.19	36	12.9	6	6.9
230	08-18-201	0.43	0.65	0.28	0.790262	0.221	0	0.19	36	12.9	6	6.9
231	08-19-201	0.42	0.65	0.273	0.780317	0.213	0	0.19	36	12.9	6	6.9
232	08-20-201	0.34	0.65	0.221	0.772901	0.171	0	0.19	36	12.9	6	6.9
233	08-21-201	0.44	0.65	0.286	0.779081	0.223	0	0.19	36	12.9	6	6.9
234	08-22-201	0.38	0.65	0.247	0.768512	0.19	0	0.19	36	12.9	6	6.9
235	08-23-201	0.37	0.65	0.241	0.768569	0.185	0	0.19	36	12.9	6	6.9
236	08-24-201	0.34	0.65	0.221	0.770231	0.17	0	0.19	36	12.9	6	6.9

237	08-25-201	0.39	0.65	0.254	0.776601	0.197	0	0.19	36	12.9	6	6.9
238	08-26-201	0.39	0.65	0.253	0.774389	0.196	0	0.19	36	12.9	6	6.9
239	08-27-201	0.41	0.65	0.267	0.772357	0.206	0	0.19	36	12.9	6	6.9
240	08-28-201	0.43	0.65	0.279	0.767258	0.214	0	0.19	36	12.9	6	6.9
241	08-29-201	0.34	0.65	0.221	0.759384	0.168	0	0.19	36	12.9	6	6.9
242	08-30-201	0.38	0.65	0.247	0.766526	0.189	0	0.19	36	12.9	6	6.9
243	08-31-201	0.31	0.65	0.201	0.766741	0.154	0	0.19	36	12.9	6	6.9
244	09-01-201	0.32	0.65	0.208	0.778175	0.162	0	0.19	36	12.9	6	6.9
245	09-02-201	0.33	0.648	0.213	0.787238	0.168	0	0.19	36	12.9	6	6.9
246	09-03-201	0.38	0.646	0.246	0.794213	0.195	0	0.19	36	12.9	6	6.9
247	09-04-201	0.36	0.644	0.232	0.792614	0.184	0	0.19	36	12.9	6	6.9
248	09-05-201	0.25	0.642	0.161	0.794624	0.128	0	0.19	36	12.9	6	6.9
249	09-06-201	0.22	0.64	0.141	0.814741	0.115	0	0.19	36	12.9	6	6.9
250	09-07-201	0.26	0.638	0.166	0.838987	0.139	0	0.19	36	12.9	6	6.9
251	09-08-201	0.3	0.636	0.191	0.855357	0.163	0	0.19	36	12.9	6	6.9
252	09-09-201	0.34	0.634	0.215	0.863987	0.186	0	0.19	36	12.9	6	6.9
253	09-10-201	0.38	0.632	0.24	0.865198	0.208	0	0.19	36	12.9	6	6.9
254	09-11-201	0.33	0.63	0.208	0.85947	0.179	0	0.19	36	12.9	6	6.9
255	09-12-201	0.38	0.628	0.239	0.863114	0.206	0	0.19	36	12.9	6	6.9
256	09-13-201	0.39	0.626	0.244	0.85797	0.209	0	0.19	36	12.9	6	6.9
257	09-14-201	0.26	0.624	0.162	0.851701	0.138	0	0.19	36	12.9	6	6.9
258	09-15-201	0.13	0.622	0.081	0.86839	0.07	0.49	0.19	36	12.9	6	6.9
259	09-16-201	0.16	0.62	0.099	1	0.099	0.27	0.19	36	12.9	6	6.9
260	09-17-201	0.16	0.618	0.099	1	0.099	0.02	0.19	36	12.9	6	6.9
261	09-18-201	0.16	0.616	0.099	1	0.099	0	0	36	12.9	6	6.9
262	09-19-201	0.2	0.614	0.123	1	0.123	0	0	36	12.9	6	6.9
263	09-20-201	0.25	0.612	0.153	1	0.153	0	0	36	12.9	6	6.9
264	09-21-201	0.26	0.61	0.159	1	0.159	0	0	36	12.9	6	6.9
265	09-22-201	0.27	0.608	0.164	1	0.164	0	0	36	12.9	6	6.9
266	09-23-201	0.27	0.606	0.164	1	0.164	0	0	36	12.9	6	6.9
267	09-24-201	0.34	0.604	0.205	0.939554	0.193	0	0	36	12.9	6	6.9
268	09-25-201	0.28	0.602	0.169	0.877413	0.148	0	0	36	12.9	6	6.9
269	09-26-201	0.29	0.6	0.174	0.829781	0.144	0	0	36	12.9	6	6.9
270	09-27-201	0.33	0.598	0.198	0.783281	0.155	0	0	36	12.9	6	6.9

271	09-28-201	0.22	0.596	0.131	0.733499	0.096	0	0	36	12.9	6	6.9
272	09-29-201	0.28	0.594	0.167	0.702525	0.117	0	0	36	12.9	6	6.9
273	09-30-201	0.19	0.592	0.113	0.664894	0.075	0	0	36	12.9	6	6.9
274	10-01-201	0.26	0.59	0.153	0.640808	0.098	0.1	0	36	12.9	6	6.9
275	10-02-201	0.13	0.588	0.076	0.641355	0.049	0.19	0	36	12.9	6	6.9
276	10-03-201	0.14	0.586	0.082	0.686758	0.056	0	0	36	12.9	6	6.9
277	10-04-201	0.14	0.584	0.082	0.668612	0.055	0	0	36	12.9	6	6.9
278	10-05-201	0.15	0.582	0.088	0.651007	0.057	0	0	36	12.9	6	6.9
279	10-06-201	0.16	0.58	0.093	0.632703	0.059	0	0	36	12.9	6	6.9
280	10-07-201	0.23	0.578	0.134	0.613793	0.082	0	0	36	12.9	6	6.9
281	10-08-201	0.19	0.576	0.109	0.587514	0.064	0	0	36	12.9	6	6.9
282	10-09-201	0.3	0.574	0.173	0.566806	0.098	0	0	36	12.9	6	6.9
283	10-10-201	0.33	0.572	0.189	0.535372	0.101	0	0	36	12.9	6	6.9
284	10-11-201	0.38	0.57	0.217	0.502825	0.109	0	0	36	12.9	6	6.9
285	10-12-201	0.27	0.568	0.154	0.467749	0.072	0	0	36	12.9	6	6.9
286	10-13-201	0.25	0.566	0.142	0.444646	0.063	0	0	36	12.9	6	6.9
287	10-14-201	0.19	0.564	0.106	0.424383	0.045	0	0	36	12.9	6	6.9
288	10-15-201	0.21	0.562	0.117	0.409737	0.048	0	0	36	12.9	6	6.9
289	10-16-201	0.25	0.56	0.14	0.394163	0.055	0	0	36	12.9	6	6.9
290	10-17-201	0.22	0.558	0.122	0.37639	0.046	0.01	0	36	12.9	6	6.9
291	10-18-201	0.07	0.556	0.038	0.36473	0.014	0.02	0	36	12.9	6	6.9
292	10-19-201	0.07	0.554	0.038	0.366599	0.014	0	0	36	12.9	6	6.9
293	10-20-201	0.13	0.552	0.072	0.362021	0.026	0	0	36	12.9	6	6.9
294	10-21-201	0.09	0.55	0.051	0.353654	0.018	0	0	36	12.9	6	6.9
295	10-22-201	0.13	0.548	0.072	0.348016	0.025	0	0	36	12.9	6	6.9
296	10-23-201	0.14	0.546	0.076	0.340031	0.026	0	0	36	12.9	6	6.9
297	10-24-201	0.19	0.544	0.103	0.33166	0.034	0	0	36	12.9	6	6.9
298	10-25-201	0.15	0.542	0.081	0.32062	0.026	0	0	36	12.9	6	6.9
299	10-26-201	0.15	0.54	0.08	0.312225	0.025	0	0	36	12.9	6	6.9
300	10-27-201	0.11	0.538	0.059	0.30408	0.018	0	0	36	12.9	6	6.9
301	10-28-201	0.12	0.536	0.064	0.298284	0.019	0	0	36	12.9	6	6.9
302	10-29-201	0.12	0.534	0.065	0.292105	0.019	0.07	0	36	12.9	6	6.9
303	10-30-201	0.06	0.532	0.032	0.308621	0.01	0	0	36	12.9	6	6.9
304	10-31-201	0.12	0.53	0.062	0.305449	0.019	0	0	36	12.9	6	6.9

305	11-01-201	0.09	0.528	0.047	0.299192	0.014	0.05	0	36	12.9	6	6.9
306	11-02-201	0.01	0.526	0.006	0.310716	0.002	0.45	0	36	12.9	6	6.9
307	11-03-201	0.1	0.524	0.053	0.455117	0.024	0.81	0	36	12.9	6	6.9
308	11-04-201	0.07	0.522	0.037	0.708306	0.026	0	0	36	12.9	6	6.9
309	11-05-201	0.07	0.52	0.036	0.699971	0.025	0	0	36	12.9	6	6.9
310	11-06-201	0.1	0.518	0.052	0.691765	0.036	0	0	36	12.9	6	6.9
311	11-07-201	0.11	0.516	0.057	0.680225	0.039	0	0	36	12.9	6	6.9
312	11-08-201	0.14	0.514	0.072	0.66779	0.048	0	0	36	12.9	6	6.9
313	11-09-201	0.04	0.512	0.02	0.652314	0.013	0.51	0	36	12.9	6	6.9
314	11-10-201	0.07	0.51	0.036	0.812262	0.029	0	0	36	12.9	6	6.9
315	11-11-201	0.07	0.508	0.036	0.802923	0.029	0	0	36	12.9	6	6.9
316	11-12-201	0.07	0.506	0.035	0.793728	0.028	0	0	36	12.9	6	6.9
317	11-13-201	0.07	0.504	0.036	0.784673	0.028	0	0	36	12.9	6	6.9
318	11-14-201	0.07	0.502	0.035	0.775758	0.027	0	0	36	12.9	6	6.9

Water Stor Current Wz Modeled A Root Zone Deep Percc Volumetric Measured , Modified F Forage Cutting Flag

6.07	6.622	57	1.978	0	27.6	57	Yes	No
6.13898	6.87223	60.7611	1.8255	0	28.3		No	No
6.20795	7.12995	64.5981	1.6655	0	29		No	No
6.27693	7.36768	67.9302	1.5255	0	29.7		No	No
6.34591	7.61541	71.3979	1.3755	0	30.4		No	No
6.41489	7.86064	74.7396	1.228	0	31		No	No
6.48386	7.90836	73.9907	1.278	0	30.8		No	No
6.55284	7.95109	73.157	1.333	0	30.7		No	No
6.62182	8.01132	72.6893	1.3705	0	30.6		No	No
6.6908	8.19405	74.6472	1.2855	0	31		No	No
6.75977	8.25427	74.1739	1.323	0	30.9		No	No
6.82875	8.3195	73.8068	1.3555	0	30.8		No	No
6.89773	8.35473	72.873	1.418	0	30.6		No	No
6.9667	8.39245	72.0052	1.478	0	30.5		No	No
7.03568	8.4376	71.2935	1.53058	0	30.3		No	No
7.10466	8.45259	70.0354	1.61332	0	30.1		No	No
7.17364	8.63927	71.9597	1.52437	0	30.5		No	No
7.24261	8.67969	71.1827	1.58168	0	30.3		No	No
7.31159	8.71136	70.2625	1.64773	0	30.1		No	No
7.38057	8.74361	69.3697	1.71321	0	30		No	No
7.44955	8.78667	68.6851	1.76787	0	29.8		No	No
7.51852	8.83142	68.0424	1.82085	0	29.7		No	No
7.5875	8.87324	67.3607	1.87676	0	29.6		No	No
7.65648	9.13379	70.461	1.71394	0	30.2		No	No
7.72545	9.16097	69.5197	1.78448	0	30		No	No
7.79443	9.22049	69.1426	1.82269	0	29.9		No	No
7.86341	9.27279	68.651	1.86812	0	29.8		No	No

7.93239	9.32065	68.094	1.91799	0	29.7	No	No
8.00136	9.55399	70.6055	1.78238	0	30.2	No	No
8.07034	9.77973	72.9498	1.65437	0	30.6	No	No
8.13932	10.005	75.2477	1.52677	0	31.1	No	No
8.2083	10.2287	77.4793	1.40089	0	31.5	No	No
8.27727	10.4025	78.8804	1.32478	0	31.8	No	No
8.34625	10.568	80.1259	1.25703	0	32	No	No
8.41523	10.4573	77.0212	1.46542	0	31.4	No	No
8.4842	10.6062	78.0042	1.41423	0	31.6	No	No
8.55318	10.7518	78.9197	1.36639	0	31.8	No	No
8.62216	10.8772	79.5121	1.3387	0	31.9	No	No
8.69114	10.9932	79.9515	1.32047	0	32	No	No
8.76011	11.0918	80.1234	1.31953	0	32	No	No
8.82909	11.2659	81.4192	1.24323	0	32.3	No	No
8.89807	11.468	83.1117	1.13881	0	32.6	No	No
8.96705	11.5747	83.3738	1.12982	0	32.6	No	No
9.03602	11.7223	84.2286	1.07999	0	32.8	No	No
9.105	11.7825	83.8046	1.11749	0	32.7	No	No
9.105	11.7615	83.5002	1.13849	0	32.7	No	No
9.105	11.724	82.9567	1.17599	0	32.6	No	No
9.105	11.7255	82.9785	1.17449	0	32.6	No	No
9.105	11.6815	82.3408	1.21849	0	32.4	No	No
9.105	11.657	81.9857	1.24299	0	32.4	No	No
9.105	11.6455	81.8191	1.25449	0	32.3	No	No
9.105	11.5755	80.8046	1.32449	0	32.2	No	No
9.105	11.5315	80.1669	1.36849	0	32	No	No
9.105	11.6775	82.2828	1.22249	0	32.4	No	No
9.105	11.744	83.2466	1.15599	0	32.6	No	No
9.105	11.7065	82.7031	1.19349	0	32.5	No	No
9.105	11.695	82.5364	1.20499	0	32.5	No	No
9.105	11.6415	81.7611	1.25849	0	32.3	No	No
9.105	11.6595	82.0219	1.24049	0	32.4	No	No
9.105	11.687	82.4205	1.21299	0	32.5	No	No
9.105	11.7145	82.8191	1.18549	0	32.5	No	No

9.105	11.798	84.0292	1.10199	0	32.8	No	No
9.105	12.1415	89.0075	0.758485	0	33.7	No	No
9.105	12.208	89.9712	0.691985	0	33.9	No	No
9.105	12.252	90.6089	0.647985	0	34	No	No
9.105	12.3775	92.4277	0.522485	0	34.4	No	No
9.105	12.4835	93.964	0.416485	0	34.7	No	No
9.105	12.5145	94.4133	0.385485	0	34.8	No	No
9.105	12.611	95.8118	0.288985	0	35	No	No
9.105	12.718	97.3625	0.181985	0	35.3	No	No
9.105	12.7925	98.4422	0.107485	0	35.5	No	No
9.105	12.843	99.1741	0.056985	0	35.7	No	No
9.105	12.877	99.6669	0.022985	0	35.8	No	No
9.105	12.898	99.9712	0.001985	0	35.8	No	No
9.105	12.88	99.7104	0.019985	0	35.8	No	No
9.105	12.8395	99.1234	0.060485	0	35.7	No	No
9.105	12.7825	98.2973	0.117485	0	35.5	No	No
9.105	12.732	97.5654	0.167985	0	35.4	No	No
9.105	12.727	97.493	0.172985	0	35.4	No	No
9.105	12.6895	96.9495	0.210485	0	35.2	No	No
9.105	12.678	96.7828	0.221985	0	35.2	No	No
9.105	12.647	96.3335	0.252985	0	35.1	No	No
9.105	12.616	95.8843	0.283985	0	35	No	No
9.105	12.698	97.0727	0.201985	0	35.3	No	No
9.105	12.6865	96.906	0.213485	0	35.2	No	No
9.105	12.623	95.9857	0.276985	0	35.1	No	No
9.105	12.5335	94.6886	0.366485	0	34.8	No	No
9.105	12.457	93.5799	0.442985	0	34.6	No	No
9.105	12.361	92.1886	0.538985	0	34.3	No	No
9.105	12.161	89.2901	0.738985	0	33.8	No	No
9.105	12.0065	87.0509	0.893485	0	33.4	No	No
9.105	11.891	85.377	1.00899	0	33	No	No
9.105	11.8145	84.2683	1.08549	0	32.8	No	No
9.105	11.7315	83.0654	1.16849	0	32.6	No	No
9.105	11.6485	81.8625	1.25149	0	32.4	No	No

9.105	11.559	80.5654	1.34099	0	32.1	No	No
9.105	11.4045	78.3263	1.49549	0	31.7	No	No
9.105	11.315	77.0292	1.58499	0	31.4	No	No
9.105	11.2125	75.5437	1.68749	0	31.1	No	No
9.105	11.1035	73.964	1.79649	0	30.8	No	No
9.105	11.0205	72.7611	1.87949	0	30.6	No	No
9.105	10.8725	70.6161	2.02749	0	30.2	No	No
9.105	10.679	67.8118	2.22099	0	29.7	No	No
9.105	10.609	66.7973	2.29099	0	29.5	No	No
9.105	10.5455	65.877	2.35449	0	29.3	No	No
9.105	10.3975	63.7321	2.50249	0	28.9	No	No
9.105	10.2365	61.3988	2.66349	0	28.4	No	No
9.105	10.1405	60.0075	2.75949	0	28.2	No	No
9.105	9.92101	56.8263	2.97899	0	27.6	No	No
9.105	9.74701	54.3046	3.15299	0	27.1	No	No
9.105	9.54701	51.406	3.35299	0	26.5	No	No
9.105	9.37301	48.8843	3.52699	0	26	No	No
9.105	9.32901	48.2466	3.57099	0	25.9	No	No
9.105	9.25901	47.2321	3.64099	0	25.7	No	No
9.105	9.17601	46.0292	3.72399	0	25.5	No	No
9.105	9.13851	45.4857	3.76149	0	25.4	No	No
9.105	9.10101	44.9422	3.79899	0	25.3	No	No
9.105	9.11551	45.1524	3.78449	0	25.3	No	No
9.105	9.17701	46.0437	3.72299	0	25.5	No	No
9.105	9.21501	46.5944	3.68499	0	25.6	No	No
9.105	9.22951	46.8046	3.67049	0	25.6	No	No
9.105	9.34801	48.5219	3.55199	0	26	No	No
9.105	9.31051	47.9785	3.58949	0	25.9	No	No
9.105	9.18851	46.2104	3.71149	0	25.5	No	No
9.105	9.10551	45.0075	3.79449	0	25.3	No	No
9.105	9.07451	44.5582	3.82549	0	25.2	No	No
9.105	9.01101	43.6379	3.88899	0	25	No	No
9.105	8.94258	42.6461	3.95742	0	24.8	No	No
9.105	8.90234	42.0629	3.99766	0	24.7	No	No

9.105	9.19007	46.2329	3.70993	0	25.5	No	No
9.105	9.35157	48.5735	3.54843	0	26	No	No
9.105	9.31407	48.03	3.58593	0	25.9	No	No
9.105	9.25707	47.2039	3.64293	0	25.7	No	No
9.105	9.10907	45.059	3.79093	0	25.3	No	No
9.105	9.01307	43.6677	3.88693	0	25	No	No
9.105	9.02757	43.8778	3.87243	0	25.1	No	No
9.105	9.03208	43.9432	3.86792	0	25.1	No	No
9.105	8.96184	42.9252	3.93816	0	24.9	No	No
9.105	8.91623	42.2642	3.98377	0	24.8	No	No
9.105	8.83762	41.1249	4.06239	0	24.5	No	No
9.105	8.80188	40.607	4.09811	0	24.4	No	No
9.105	8.79246	40.4704	4.10754	0	24.4	No	No
9.105	8.80032	40.5844	4.09968	0	24.4	No	No
9.105	8.89067	41.8937	4.00934	0	24.7	No	No
9.105	8.87492	41.6655	4.02508	0	24.7	No	No
9.105	8.94455	42.6747	3.95545	0	24.8	No	No
9.105	9.01511	43.6972	3.88489	0	25	No	No
9.105	8.95001	42.7538	3.94999	0	24.9	No	No
9.105	8.84358	41.2114	4.05642	0	24.6	No	No
9.105	8.7419	39.7377	4.1581	0	24.3	No	No
9.105	8.67934	38.8311	4.22066	0	24.1	No	No
9.105	8.59451	37.6015	4.30549	0	23.9	No	No
9.105	8.55639	37.0491	4.34361	0	23.8	No	No
9.105	8.51627	36.4677	4.38373	0	23.7	No	No
9.105	8.51664	36.4731	4.38336	0	23.7	No	No
9.105	8.45376	35.5618	4.44624	0	23.5	No	No
9.105	8.42288	35.1143	4.47712	0	23.4	No	No
9.105	8.39986	34.7805	4.50014	0	23.3	No	No
9.105	8.41905	35.0586	4.48095	0	23.4	No	No
9.105	8.38623	34.583	4.51377	0	23.3	No	No
9.105	8.38641	34.5856	4.51359	0	23.3	No	No
9.105	8.39157	34.6604	4.50843	0	23.3	No	No
9.105	8.41134	34.947	4.48866	0	23.4	No	No

9.105	8.40448	34.8475	4.49552	0	23.3	No	No
9.105	8.39817	34.7561	4.50183	0	23.3	No	No
9.105	8.38234	34.5266	4.51766	0	23.3	No	No
9.105	8.35789	34.1723	4.54211	0	23.2	No	No
9.105	8.38006	34.4937	4.51994	0	23.3	No	No
9.105	8.38073	34.5034	4.51927	0	23.3	No	No
9.105	8.41623	35.0179	4.48377	0	23.4	No	No
9.105	8.44437	35.4257	4.45563	0	23.5	No	No
9.105	8.46603	35.7396	4.43397	0	23.5	No	No
9.105	8.46107	35.6676	4.43893	0	23.5	No	No
9.105	8.46731	35.7581	4.43269	0	23.5	No	No
9.105	8.52977	36.6633	4.37023	0	23.7	No	No
9.105	8.60505	37.7544	4.29495	0	23.9	No	No
9.105	8.65588	38.4911	4.24412	0	24	No	No
9.105	8.68268	38.8794	4.21732	0	24.1	No	No
9.105	8.68644	38.9339	4.21356	0	24.1	No	No
9.105	8.66865	38.6761	4.23135	0	24.1	No	No
9.105	8.67997	38.8401	4.22003	0	24.1	No	No
9.105	8.664	38.6086	4.236	0	24.1	No	No
9.105	8.64453	38.3265	4.25547	0	24	No	No
9.105	8.69635	39.0776	4.20365	0	24.2	No	No
9.105	9.30613	47.915	3.59387	0	25.9	No	No
9.105	9.66693	53.144	3.23307	0	26.9	No	No
9.105	9.77805	54.7544	3.12195	0	27.2	No	No
9.105	9.67949	53.326	3.22051	0	26.9	No	No
9.105	9.55669	51.5463	3.34331	0	26.5	No	No
9.105	9.40369	49.3289	3.49631	0	26.1	No	No
9.105	9.24509	47.0303	3.65491	0	25.7	No	No
9.105	9.08093	44.6512	3.81907	0	25.2	No	No
9.105	8.91731	42.2799	3.98269	0	24.8	No	No
9.105	8.72437	39.4836	4.17563	0	24.2	No	No
9.105	8.57647	37.3401	4.32353	0	23.8	No	No
9.105	8.43209	35.2477	4.46791	0	23.4	No	No
9.105	8.27752	33.0075	4.62248	0	23	No	No

9.105	8.18134	31.6136	4.71866	0	22.7	No	No
9.105	8.0645	29.9202	4.8355	0	22.4	No	No
9.105	7.98971	28.8363	4.91029	0	22.2	No	No
9.105	7.99141	28.861	4.90859	0	22.2	No	No
9.105	8.13238	30.9041	4.76762	0	22.6	No	No
9.105	8.07604	30.0876	4.82396	0	22.4	No	No
9.105	8.02138	29.2953	4.87862	0	22.3	No	No
9.105	7.96454	28.4716	4.93546	0	22.1	No	No
9.105	7.90583	27.6207	4.99417	0	22	No	No
9.105	7.82423	26.4381	5.07577	0	21.7	No	No
9.105	7.75993	25.5063	5.14007	0	21.6	No	No
9.105	7.66233	24.0917	5.23767	0	21.3	No	No
9.105	7.56127	22.6271	5.33873	0	21	No	No
9.105	7.45236	21.0487	5.44764	0	20.7	No	No
9.105	7.38063	20.0091	5.51937	0	20.5	No	No
9.105	7.31771	19.0972	5.58229	0	20.3	No	No
9.105	7.27223	18.4381	5.62777	0	20.2	No	No
9.105	7.22387	17.7373	5.67613	0	20.1	No	No
9.105	7.16869	16.9376	5.73131	0	19.9	No	No
9.105	7.13249	16.4128	5.76751	0	19.8	No	No
9.105	7.13829	16.497	5.76171	0	19.8	No	No
9.105	7.12407	16.2909	5.77593	0	19.8	No	No
9.105	7.0981	15.9144	5.8019	0	19.7	No	No
9.105	7.08059	15.6607	5.81941	0	19.7	No	No
9.105	7.0558	15.3014	5.8442	0	19.6	No	No
9.105	7.02981	14.9247	5.87019	0	19.5	No	No
9.105	6.99552	14.4279	5.90448	0	19.4	No	No
9.105	6.96946	14.0501	5.93054	0	19.4	No	No
9.105	6.94417	13.6836	5.95583	0	19.3	No	No
9.105	6.92617	13.4228	5.97383	0	19.2	No	No
9.105	6.90699	13.1447	5.99301	0	19.2	No	No
9.105	6.95827	13.888	5.94173	0	19.3	No	No
9.105	6.94842	13.7452	5.95158	0	19.3	No	No
9.105	6.92899	13.4636	5.97101	0	19.2	No	No

9.105	6.96477	13.9822	5.93523	0	19.3	No	No
9.105	7.41314	20.4803	5.48686	0	20.6	No	No
9.105	8.19929	31.8738	4.70071	0	22.8	No	No
9.105	8.17341	31.4987	4.72659	0	22.7	No	No
9.105	8.14793	31.1294	4.75207	0	22.6	No	No
9.105	8.1121	30.6101	4.7879	0	22.5	No	No
9.105	8.07349	30.0505	4.82651	0	22.4	No	No
9.105	8.02543	29.3541	4.87457	0	22.3	No	No
9.105	8.52207	36.5518	4.37793	0	23.7	No	No
9.105	8.49308	36.1315	4.40692	0	23.6	No	No
9.105	8.46452	35.7177	4.43548	0	23.5	No	No
9.105	8.43641	35.3103	4.46359	0	23.4	No	No
9.105	8.40873	34.9091	4.49127	0	23.4	No	No
9.105	8.38147	34.514	4.51853	0	23.3	No	No

Field Report from Irrigation Scheduler Mobile.

All units are in inches.

Washingt

Start Date: 03-15-2016

End Date: 11-15-2016

Day of Year	Date	Reference	Crop Coeff	Unstressed Stress	Coef Crop ET	Precipitatic	Irrigation	Root Depth	Field Capac	Wilting Poi	Avail. Wate
75	03-15-2016	0.1	0.25	0.025	1	0.025	0	24	8.6	4	4.6
76	03-16-2016	0.08	0.25	0.02	1	0.02	0.02	24.2791	8.7	4.04651	4.65349
77	03-17-2016	0.14	0.25	0.035	1	0.035	0.01	24.5581	8.8	4.09302	4.70698
78	03-18-2016	0.15	0.25	0.038	1	0.038	0	24.8372	8.9	4.13953	4.76047
79	03-19-2016	0.25	0.25	0.063	1	0.063	0	25.1163	9	4.18605	4.81395
80	03-20-2016	0.34	0.25	0.085	1	0.085	0	25.3953	9.1	4.23256	4.86744
81	03-21-2016	0.08	0.25	0.02	1	0.02	0.15	25.6744	9.2	4.27907	4.92093
82	03-22-2016	0.15	0.25	0.038	1	0.038	0	25.9535	9.3	4.32558	4.97442
83	03-23-2016	0.19	0.25	0.048	1	0.048	0	26.2326	9.4	4.37209	5.02791
84	03-24-2016	0.2	0.25	0.05	1	0.05	0.02	26.5116	9.5	4.4186	5.0814
85	03-25-2016	0.16	0.25	0.04	1	0.04	0	26.7907	9.6	4.46512	5.13488
86	03-26-2016	0.13	0.25	0.033	1	0.033	0	27.0698	9.7	4.51163	5.18837
87	03-27-2016	0.15	0.25	0.038	1	0.038	0.01	27.3488	9.8	4.55814	5.24186
88	03-28-2016	0.17	0.262903	0.045	1	0.045	0	27.6279	9.9	4.60465	5.29535
89	03-29-2016	0.08	0.275806	0.022	1	0.022	0.11	27.907	10	4.65116	5.34884
90	03-30-2016	0.16	0.28871	0.046	1	0.046	0	28.186	10.1	4.69767	5.40233
91	03-31-2016	0.22	0.301613	0.066	1	0.066	0	28.4651	10.2	4.74419	5.45581
92	04-01-2016	0.22	0.314516	0.069	1	0.069	0	28.7442	10.3	4.7907	5.5093
93	04-02-2016	0.22	0.327419	0.072	1	0.072	0.01	29.0233	10.4	4.83721	5.56279
94	04-03-2016	0.2	0.340323	0.068	1	0.068	0	29.3023	10.5	4.88372	5.61628
95	04-04-2016	0.21	0.353226	0.074	1	0.074	0	29.5814	10.6	4.93023	5.66977
96	04-05-2016	0.23	0.366129	0.084	1	0.084	0	29.8605	10.7	4.97674	5.72326
97	04-06-2016	0.27	0.379032	0.102	1	0.102	0	30.1395	10.8	5.02326	5.77674
98	04-07-2016	0.24	0.391935	0.094	1	0.094	0.01	30.4186	10.9	5.06977	5.83023
99	04-08-2016	0.094	0.404839	0.038	1	0.038	0	30.6977	11	5.11628	5.88372
100	04-09-2016	0.109	0.417742	0.045	1	0.045	0	30.9767	11.1	5.16279	5.93721
101	04-10-2016	0.116	0.430645	0.05	1	0.05	0	31.2558	11.2	5.2093	5.9907

102	04-11-2016	0.123	0.443548	0.054	1	0.054	0	0	31.5349	11.3	5.25581	6.04419
103	04-12-2016	0.136	0.456452	0.062	1	0.062	0	0	31.814	11.4	5.30233	6.09767
104	04-13-2016	0.133	0.469355	0.062	1	0.062	0	0	32.093	11.5	5.34884	6.15116
105	04-14-2016	0.133	0.482258	0.064	1	0.064	0	0	32.3721	11.6	5.39535	6.20465
106	04-15-2016	0.22	0.495161	0.109	1	0.109	0.02	0	32.6512	11.7	5.44186	6.25814
107	04-16-2016	0.23	0.508065	0.117	1	0.117	0.01	0	32.9302	11.8	5.48837	6.31163
108	04-17-2016	0.23	0.520968	0.12	1	0.12	0	0	33.2093	11.9	5.53488	6.36512
109	04-18-2016	0.24	0.533871	0.128	1	0.128	0	0	33.4884	12	5.5814	6.4186
110	04-19-2016	0.25	0.546774	0.137	1	0.137	0	0	33.7674	12.1	5.62791	6.47209
111	04-20-2016	0.29	0.559677	0.162	1	0.162	0	0	34.0465	12.2	5.67442	6.52558
112	04-21-2016	0.44	0.572581	0.252	1	0.252	0	0	34.3256	12.3	5.72093	6.57907
113	04-22-2016	0.32	0.585484	0.187	1	0.187	0	0	34.6047	12.4	5.76744	6.63256
114	04-23-2016	0.13	0.598387	0.078	1	0.078	0.71	0	34.8837	12.5	5.81395	6.68605
115	04-24-2016	0.19	0.61129	0.116	1	0.116	0.01	0	35.1628	12.6	5.86047	6.73953
116	04-25-2016	0.15	0.624194	0.094	1	0.094	0.05	0.19	35.4419	12.7	5.90698	6.79302
117	04-26-2016	0.3	0.637097	0.191	1	0.191	0	0.19	35.7209	12.8	5.95349	6.84651
118	04-27-2016	0.19	0.65	0.124	1	0.124	0	0.19	36	12.9	6	6.9
119	04-28-2016	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
120	04-29-2016	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9
121	04-30-2016	0.22	0.65	0.143	1	0.143	0.2	0.19	36	12.9	6	6.9
122	05-01-2016	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9
123	05-02-2016	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
124	05-03-2016	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
125	05-04-2016	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
126	05-05-2016	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
127	05-06-2016	0.17	0.65	0.111	1	0.111	0.13	0.19	36	12.9	6	6.9
128	05-07-2016	0.16	0.65	0.104	1	0.104	0.07	0.19	36	12.9	6	6.9
129	05-08-2016	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
130	05-09-2016	0.31	0.65	0.202	1	0.202	0.01	0.19	36	12.9	6	6.9
131	05-10-2016	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9
132	05-11-2016	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
133	05-12-2016	0.37	0.65	0.241	1	0.241	0	0.19	36	12.9	6	6.9
134	05-13-2016	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
135	05-14-2016	0.33	0.65	0.215	1	0.215	0.1	0.19	36	12.9	6	6.9

136	05-15-2016	0.22	0.65	0.143	1	0.143	0.02	0.19	36	12.9	6	6.9
137	05-16-2016	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
138	05-17-2016	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
139	05-18-2016	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
140	05-19-2016	0.17	0.65	0.111	1	0.111	0.33	0.19	36	12.9	6	6.9
141	05-20-2016	0.09	0.65	0.059	1	0.059	0.29	0.19	36	12.9	6	6.9
142	05-21-2016	0.18	0.65	0.117	1	0.117	0.01	0.19	36	12.9	6	6.9
143	05-22-2016	0.18	0.65	0.117	1	0.117	0	0.19	36	12.9	6	6.9
144	05-23-2016	0.22	0.65	0.143	1	0.143	0	0.19	36	12.9	6	6.9
145	05-24-2016	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
146	05-25-2016	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
147	05-26-2016	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
148	05-27-2016	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
149	05-28-2016	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
150	05-29-2016	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
151	05-30-2016	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
152	05-31-2016	0.37	0.65	0.241	1	0.241	0	0.19	36	12.9	6	6.9
153	06-01-2016	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
154	06-02-2016	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
155	06-03-2016	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
156	06-04-2016	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
157	06-05-2016	0.44	0.65	0.286	1	0.286	0.03	0.19	36	12.9	6	6.9
158	06-06-2016	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
159	06-07-2016	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
160	06-08-2016	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
161	06-09-2016	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
162	06-10-2016	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
163	06-11-2016	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
164	06-12-2016	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
165	06-13-2016	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
166	06-14-2016	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
167	06-15-2016	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
168	06-16-2016	0.26	0.65	0.169	1	0.169	0.03	0.19	36	12.9	6	6.9
169	06-17-2016	0.33	0.65	0.215	1	0.215	0	0.19	36	12.9	6	6.9

170	06-18-2016	0.49	0.65	0.319	1	0.319	0	0.19	36	12.9	6	6.9
171	06-19-2016	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
172	06-20-2016	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
173	06-21-2016	0.52	0.65	0.338	1	0.338	0	0.19	36	12.9	6	6.9
174	06-22-2016	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
175	06-23-2016	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
176	06-24-2016	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
177	06-25-2016	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
178	06-26-2016	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
179	06-27-2016	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
180	06-28-2016	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
181	06-29-2016	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
182	06-30-2016	0.49	0.65	0.319	1	0.319	0	0.19	36	12.9	6	6.9
183	07-01-2016	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
184	07-02-2016	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
185	07-03-2016	0.5	0.65	0.325	1	0.325	0	0.19	36	12.9	6	6.9
186	07-04-2016	0.55	0.65	0.358	1	0.358	0	0.19	36	12.9	6	6.9
187	07-05-2016	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
188	07-06-2016	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
189	07-07-2016	0.37	0.65	0.241	1	0.241	0	0.19	36	12.9	6	6.9
190	07-08-2016	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
191	07-09-2016	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
192	07-10-2016	0.29	0.65	0.189	1	0.189	0.04	0.19	36	12.9	6	6.9
193	07-11-2016	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
194	07-12-2016	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
195	07-13-2016	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
196	07-14-2016	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
197	07-15-2016	0.47	0.65	0.306	1	0.306	0	0.19	36	12.9	6	6.9
198	07-16-2016	0.53	0.65	0.345	1	0.345	0	0.19	36	12.9	6	6.9
199	07-17-2016	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
200	07-18-2016	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
201	07-19-2016	0.44	0.65	0.286	0.963768	0.276	0	0.19	36	12.9	6	6.9
202	07-20-2016	0.48	0.65	0.312	0.936188	0.292	0	0.19	36	12.9	6	6.9
203	07-21-2016	0.44	0.65	0.286	0.903308	0.258	0	0.19	36	12.9	6	6.9

204	07-22-2016	0.55	0.65	0.357	0.881297	0.315	0	0.19	36	12.9	6	6.9
205	07-23-2016	0.56	0.65	0.364	0.841018	0.306	0	0.19	36	12.9	6	6.9
206	07-24-2016	0.39	0.65	0.254	0.803617	0.204	0	0.19	36	12.9	6	6.9
207	07-25-2016	0.38	0.65	0.246	0.7992	0.197	0	0.19	36	12.9	6	6.9
208	07-26-2016	0.44	0.65	0.286	0.796816	0.228	0	0.19	36	12.9	6	6.9
209	07-27-2016	0.43	0.65	0.279	0.784613	0.219	0	0.19	36	12.9	6	6.9
210	07-28-2016	0.47	0.65	0.306	0.775177	0.237	0	0.19	36	12.9	6	6.9
211	07-29-2016	0.49	0.65	0.318	0.760099	0.242	0	0.19	36	12.9	6	6.9
212	07-30-2016	0.45	0.65	0.292	0.743322	0.217	0	0.19	36	12.9	6	6.9
213	07-31-2016	0.58	0.65	0.377	0.734491	0.277	0	0.19	36	12.9	6	6.9
214	08-01-2016	0.5	0.65	0.326	0.706503	0.23	0	0.19	36	12.9	6	6.9
215	08-02-2016	0.44	0.65	0.285	0.693745	0.198	0	0.19	36	12.9	6	6.9
216	08-03-2016	0.57	0.65	0.37	0.691036	0.256	0	0.19	36	12.9	6	6.9
217	08-04-2016	0.31	0.65	0.202	0.669771	0.135	0	0.19	36	12.9	6	6.9
218	08-05-2016	0.34	0.65	0.221	0.687497	0.152	0	0.19	36	12.9	6	6.9
219	08-06-2016	0.38	0.65	0.247	0.699756	0.173	0	0.19	36	12.9	6	6.9
220	08-07-2016	0.42	0.65	0.274	0.705283	0.193	0	0.19	36	12.9	6	6.9
221	08-08-2016	0.43	0.65	0.28	0.704464	0.197	0	0.19	36	12.9	6	6.9
222	08-09-2016	0.42	0.65	0.273	0.702242	0.192	0	0.19	36	12.9	6	6.9
223	08-10-2016	0.35	0.65	0.228	0.701691	0.16	0	0.19	36	12.9	6	6.9
224	08-11-2016	0.4	0.65	0.26	0.71147	0.185	0	0.19	36	12.9	6	6.9
225	08-12-2016	0.39	0.65	0.254	0.713086	0.181	0	0.19	36	12.9	6	6.9
226	08-13-2016	0.35	0.65	0.228	0.71606	0.163	0	0.19	36	12.9	6	6.9
227	08-14-2016	0.4	0.65	0.259	0.724787	0.188	0	0.19	36	12.9	6	6.9
228	08-15-2016	0.37	0.65	0.24	0.725288	0.174	0	0.19	36	12.9	6	6.9
229	08-16-2016	0.34	0.65	0.22	0.730301	0.161	0	0.19	36	12.9	6	6.9
230	08-17-2016	0.33	0.65	0.215	0.739514	0.159	0	0.19	36	12.9	6	6.9
231	08-18-2016	0.35	0.65	0.228	0.749618	0.171	0	0.19	36	12.9	6	6.9
232	08-19-2016	0.35	0.65	0.228	0.755886	0.172	0	0.19	36	12.9	6	6.9
233	08-20-2016	0.34	0.65	0.221	0.761695	0.168	0	0.19	36	12.9	6	6.9
234	08-21-2016	0.38	0.65	0.247	0.768672	0.19	0	0.19	36	12.9	6	6.9
235	08-22-2016	0.45	0.65	0.293	0.768717	0.225	0	0.19	36	12.9	6	6.9
236	08-23-2016	0.47	0.65	0.305	0.757493	0.231	0	0.19	36	12.9	6	6.9
237	08-24-2016	0.4	0.65	0.259	0.744155	0.193	0	0.19	36	12.9	6	6.9

238	08-25-2016	0.32	0.65	0.209	0.743034	0.155	0	0.19	36	12.9	6	6.9
239	08-26-2016	0.3	0.65	0.195	0.754451	0.147	0	0.19	36	12.9	6	6.9
240	08-27-2016	0.36	0.65	0.234	0.768262	0.18	0	0.19	36	12.9	6	6.9
241	08-28-2016	0.39	0.65	0.254	0.771555	0.196	0	0.19	36	12.9	6	6.9
242	08-29-2016	0.37	0.65	0.24	0.769755	0.185	0	0.19	36	12.9	6	6.9
243	08-30-2016	0.42	0.65	0.274	0.771325	0.211	0	0.19	36	12.9	6	6.9
244	08-31-2016	0.33	0.65	0.214	0.764699	0.164	0	0.19	36	12.9	6	6.9
245	09-01-2016	0.4	0.648026	0.259	0.773064	0.2	0	0.19	36	12.9	6	6.9
246	09-02-2016	0.31	0.646053	0.2	0.769719	0.154	0	0.19	36	12.9	6	6.9
247	09-03-2016	0.27	0.644079	0.174	0.781263	0.136	0	0.19	36	12.9	6	6.9
248	09-04-2016	0.11	0.642105	0.07	0.798698	0.056	0.43	0.19	36	12.9	6	6.9
249	09-05-2016	0.21	0.640132	0.135	0.980208	0.132	0	0.19	36	12.9	6	6.9
250	09-06-2016	0.23	0.638158	0.147	0.998962	0.147	0	0.19	36	12.9	6	6.9
251	09-07-2016	0.31	0.636184	0.197	1	0.197	0	0.19	36	12.9	6	6.9
252	09-08-2016	0.32	0.634211	0.203	1	0.203	0	0.19	36	12.9	6	6.9
253	09-09-2016	0.27	0.632237	0.171	1	0.171	0	0.19	36	12.9	6	6.9
254	09-10-2016	0.25	0.630263	0.158	1	0.158	0	0.19	36	12.9	6	6.9
255	09-11-2016	0.36	0.628289	0.226	1	0.226	0	0.19	36	12.9	6	6.9
256	09-12-2016	0.17	0.626316	0.106	1	0.106	0.06	0.19	36	12.9	6	6.9
257	09-13-2016	0.14	0.624342	0.087	1	0.087	0.33	0.19	36	12.9	6	6.9
258	09-14-2016	0.11	0.622368	0.068	1	0.068	0	0.19	36	12.9	6	6.9
259	09-15-2016	0.15	0.620395	0.093	1	0.093	0	0.19	36	12.9	6	6.9
260	09-16-2016	0.19	0.618421	0.118	1	0.118	0.03	0.19	36	12.9	6	6.9
261	09-17-2016	0.25	0.616447	0.154	1	0.154	0	0.19	36	12.9	6	6.9
262	09-18-2016	0.26	0.614474	0.16	1	0.16	0	0.19	36	12.9	6	6.9
263	09-19-2016	0.23	0.6125	0.141	1	0.141	0	0.19	36	12.9	6	6.9
264	09-20-2016	0.28	0.610526	0.171	1	0.171	0	0.19	36	12.9	6	6.9
265	09-21-2016	0.12	0.608553	0.073	1	0.073	0.09	0.19	36	12.9	6	6.9
266	09-22-2016	0.04	0.606579	0.024	1	0.024	0.11	0.19	36	12.9	6	6.9
267	09-23-2016	0.29	0.604605	0.175	1	0.175	0.03	0.19	36	12.9	6	6.9
268	09-24-2016	0.31	0.602632	0.187	1	0.187	0	0.19	36	12.9	6	6.9
269	09-25-2016	0.2	0.600658	0.12	1	0.12	0	0.19	36	12.9	6	6.9
270	09-26-2016	0.27	0.598684	0.162	1	0.162	0	0.19	36	12.9	6	6.9
271	09-27-2016	0.33	0.596711	0.197	1	0.197	0.02	0.19	36	12.9	6	6.9

272	09-28-2016	0.35	0.594737	0.208	1	0.208	0	0.19	36	12.9	6	6.9
273	09-29-2016	0.36	0.592763	0.213	1	0.213	0	0.19	36	12.9	6	6.9
274	09-30-2016	0.31	0.590789	0.183	1	0.183	0	0.19	36	12.9	6	6.9
275	10-01-2016	0.22	0.588816	0.13	1	0.13	0	0.19	36	12.9	6	6.9
276	10-02-2016	0.25	0.586842	0.147	1	0.147	0	0.19	36	12.9	6	6.9
277	10-03-2016	0.23	0.584868	0.135	1	0.135	0.01	0.19	36	12.9	6	6.9
278	10-04-2016	0.17	0.582895	0.099	1	0.099	0	0.19	36	12.9	6	6.9
279	10-05-2016	0.16	0.580921	0.093	1	0.093	0	0.19	36	12.9	6	6.9
280	10-06-2016	0.13	0.578947	0.075	1	0.075	0	0.19	36	12.9	6	6.9
281	10-07-2016	0.21	0.576974	0.121	1	0.121	0	0	36	12.9	6	6.9
282	10-08-2016	0.29	0.575	0.167	1	0.167	0	0	36	12.9	6	6.9
283	10-09-2016	0.23	0.573026	0.132	1	0.132	0.02	0	36	12.9	6	6.9
284	10-10-2016	0.22	0.571053	0.126	1	0.126	0	0	36	12.9	6	6.9
285	10-11-2016	0.18	0.569079	0.102	1	0.102	0	0	36	12.9	6	6.9
286	10-12-2016	0.16	0.567105	0.091	1	0.091	0	0	36	12.9	6	6.9
287	10-13-2016	0.15	0.565132	0.085	1	0.085	0	0	36	12.9	6	6.9
288	10-14-2016	0.12	0.563158	0.068	1	0.068	0.14	0	36	12.9	6	6.9
289	10-15-2016	0.11	0.561184	0.062	1	0.062	0.02	0	36	12.9	6	6.9
290	10-16-2016	0.14	0.559211	0.078	1	0.078	0.29	0	36	12.9	6	6.9
291	10-17-2016	0.16	0.557237	0.089	1	0.089	0.13	0	36	12.9	6	6.9
292	10-18-2016	0.06	0.555263	0.033	1	0.033	0.13	0	36	12.9	6	6.9
293	10-19-2016	0.11	0.553289	0.061	1	0.061	0	0	36	12.9	6	6.9
294	10-20-2016	0.15	0.551316	0.083	1	0.083	0	0	36	12.9	6	6.9
295	10-21-2016	0.17	0.549342	0.093	1	0.093	0	0	36	12.9	6	6.9
296	10-22-2016	0.1	0.547368	0.055	1	0.055	0	0	36	12.9	6	6.9
297	10-23-2016	0.17	0.545395	0.093	1	0.093	0	0	36	12.9	6	6.9
298	10-24-2016	0.08	0.543421	0.043	1	0.043	0.64	0	36	12.9	6	6.9
299	10-25-2016	0.11	0.541447	0.06	1	0.06	0.03	0	36	12.9	6	6.9
300	10-26-2016	0.2	0.539474	0.108	1	0.108	0	0	36	12.9	6	6.9
301	10-27-2016	0.14	0.5375	0.075	1	0.075	0	0	36	12.9	6	6.9
302	10-28-2016	0.04	0.535526	0.021	1	0.021	0.54	0	36	12.9	6	6.9
303	10-29-2016	0.1	0.533553	0.053	1	0.053	0.07	0	36	12.9	6	6.9
304	10-30-2016	0.05	0.531579	0.027	1	0.027	0.65	0	36	12.9	6	6.9
305	10-31-2016	0.09	0.529605	0.048	1	0.048	0	0	36	12.9	6	6.9

306	11-01-2016	0.08	0.527632	0.042	1	0.042	0	0	36	12.9	6	6.9
307	11-02-2016	0.1	0.525658	0.053	1	0.053	0	0	36	12.9	6	6.9
308	11-03-2016	0.15	0.523684	0.079	1	0.079	0	0	36	12.9	6	6.9
309	11-04-2016	0.14	0.521711	0.073	1	0.073	0	0	36	12.9	6	6.9
310	11-05-2016	0.13	0.519737	0.068	1	0.068	0	0	36	12.9	6	6.9
311	11-06-2016	0.09	0.517763	0.047	1	0.047	0	0	36	12.9	6	6.9
312	11-07-2016	0.09	0.515789	0.046	1	0.046	0	0	36	12.9	6	6.9
313	11-08-2016	0.16	0.513816	0.082	1	0.082	0	0	36	12.9	6	6.9
314	11-09-2016	0.15	0.511842	0.077	1	0.077	0	0	36	12.9	6	6.9
315	11-10-2016	0.11	0.509868	0.056	1	0.056	0	0	36	12.9	6	6.9
316	11-11-2016	0.11	0.507895	0.056	1	0.056	0	0	36	12.9	6	6.9
317	11-12-2016	0.11	0.505921	0.056	1	0.056	0	0	36	12.9	6	6.9
318	11-13-2016	0.11	0.503947	0.055	1	0.055	0	0	36	12.9	6	6.9
319	11-14-2016	0.11	0.501974	0.055	1	0.055	0	0	36	12.9	6	6.9

Water Stor Current Wz Modeled A Root Zone Deep Percc Volumetric Measured , Modified F Forage Cutting Flag

6.07	8.6	100	0	0	35.8	No	No
6.14058	8.7	100	1.78E-15	0	35.8	No	No
6.21116	8.775	99.4689	0.025	0	35.7	No	No
6.28174	8.8375	98.6871	0.0625	0	35.6	No	No
6.35233	8.875	97.4034	0.125	0	35.3	No	No
6.42291	8.89	95.6856	0.21	0	35	No	No
6.49349	9.12	98.3743	0.08	0	35.5	No	No
6.56407	9.1825	97.6379	0.1175	0	35.4	No	No
6.63465	9.235	96.7183	0.165	0	35.2	No	No
6.70523	9.305	96.1625	0.195	0	35.1	No	No
6.77581	9.365	95.4235	0.235	0	35	No	No
6.8464	9.4325	94.8442	0.2675	0	34.8	No	No
6.91698	9.505	94.3722	0.295	0	34.8	No	No
6.98756	9.56031	93.5851	0.339694	0	34.6	No	No
7.05814	9.74824	95.2932	0.251758	0	34.9	No	No
7.12872	9.80205	94.4848	0.297952	0	34.8	No	No
7.1993	9.83569	93.3226	0.364306	0	34.6	No	No
7.26988	9.8665	92.1315	0.4335	0	34.3	No	No
7.34047	9.90447	91.092	0.495532	0	34.1	No	No
7.41105	9.9364	89.9649	0.563597	0	33.9	No	No
7.48163	9.96223	88.7513	0.637774	0	33.7	No	No
7.55221	9.97802	87.3851	0.721984	0	33.4	No	No
7.62279	9.97568	85.7303	0.824323	0	33.1	No	No
7.69337	9.99161	84.4194	0.908387	0	32.8	No	No
7.76395	10.0534	83.9116	0.946596	0	32.7	No	No
7.83454	10.108	83.2915	0.992019	0	32.6	No	No
7.90512	10.1581	82.6082	1.04189	0	32.5	No	No

7.9757	10.2037	81.8622	1.09628	0	32.4	No	No
8.04628	10.2417	81.0047	1.15827	0	32.2	No	No
8.11686	10.2793	80.1554	1.22067	0	32	No	No
8.18744	10.3152	79.2931	1.28479	0	31.9	No	No
8.25802	10.3263	78.049	1.37373	0	31.6	No	No
8.3286	10.3194	76.542	1.48058	0	31.3	No	No
8.39919	10.2996	74.8566	1.6004	0	31	No	No
8.46977	10.2715	73.0699	1.72853	0	30.7	No	No
8.54035	10.2348	71.1805	1.86523	0	30.3	No	No
8.61093	10.1725	68.9295	2.02753	0	29.9	No	No
8.68151	10.0205	65.3527	2.27947	0	29.2	No	No
8.75209	9.93318	62.8074	2.46682	0	28.7	No	No
8.82267	10.6654	72.5605	1.83461	0	30.6	No	No
8.89326	10.6592	71.2034	1.94076	0	30.3	No	No
8.96384	10.9056	73.5848	1.79439	0	30.8	No	No
9.03442	11.0045	73.7747	1.79552	0	30.8	No	No
9.105	11.171	74.9418	1.72902	0	31	No	No
9.105	11.192	75.2461	1.70802	0	31.1	No	No
9.105	11.226	75.7389	1.67402	0	31.2	No	No
9.105	11.473	79.3186	1.42702	0	31.9	No	No
9.105	11.5005	79.7171	1.39952	0	31.9	No	No
9.105	11.515	79.9273	1.38502	0	32	No	No
9.105	11.445	78.9128	1.45502	0	31.8	No	No
9.105	11.388	78.0867	1.51202	0	31.6	No	No
9.105	11.409	78.391	1.49102	0	31.7	No	No
9.105	11.6185	81.4273	1.28152	0	32.3	No	No
9.105	11.7745	83.6881	1.12552	0	32.7	No	No
9.105	11.7695	83.6157	1.13052	0	32.7	No	No
9.105	11.768	83.5939	1.13202	0	32.7	No	No
9.105	11.802	84.0867	1.09802	0	32.8	No	No
9.105	11.823	84.391	1.07702	0	32.8	No	No
9.105	11.7725	83.6592	1.12752	0	32.7	No	No
9.105	11.7675	83.5867	1.13252	0	32.7	No	No
9.105	11.843	84.6809	1.05702	0	32.9	No	No

9.105	11.91	85.6519	0.990018	0	33.1	No	No
9.105	11.931	85.9563	0.969018	0	33.1	No	No
9.105	11.9325	85.978	0.967518	0	33.1	No	No
9.105	11.9145	85.7171	0.985518	0	33.1	No	No
9.105	12.324	91.6519	0.576018	0	34.2	No	No
9.105	12.7455	97.7606	0.154518	0	35.4	No	No
9.105	12.8285	98.9635	0.071518	0	35.6	No	No
9.105	12.9	100	0	0.001482	35.8	No	No
9.105	12.9	100	0	0.047	35.8	No	No
9.105	12.9	100	0	0.0145	35.8	No	No
9.105	12.9	100	0	0.0145	35.8	No	No
9.105	12.882	99.7391	0.018	0	35.8	No	No
9.105	12.851	99.2899	0.049	0	35.7	No	No
9.105	12.82	98.8406	0.08	0	35.6	No	No
9.105	12.802	98.5797	0.098	0	35.6	No	No
9.105	12.6995	97.0942	0.2005	0	35.3	No	No
9.105	12.649	96.3623	0.251	0	35.1	No	No
9.105	12.5725	95.2536	0.3275	0	34.9	No	No
9.105	12.483	93.9565	0.417	0	34.7	No	No
9.105	12.374	92.3768	0.526	0	34.4	No	No
9.105	12.3365	91.8333	0.5635	0	34.3	No	No
9.105	12.2705	90.8768	0.6295	0	34.1	No	No
9.105	12.194	89.7681	0.706	0	33.9	No	No
9.105	12.1305	88.8478	0.7695	0	33.7	No	No
9.105	12.041	87.5507	0.859	0	33.4	No	No
9.105	11.9385	86.0652	0.9615	0	33.2	No	No
9.105	11.862	84.9565	1.038	0	33	No	No
9.105	11.779	83.7536	1.121	0	32.7	No	No
9.105	11.774	83.6812	1.126	0	32.7	No	No
9.105	11.73	83.0435	1.17	0	32.6	No	No
9.105	11.699	82.5942	1.201	0	32.5	No	No
9.105	11.72	82.8986	1.18	0	32.6	No	No
9.105	11.771	83.6377	1.129	0	32.7	No	No
9.105	11.7465	83.2826	1.1535	0	32.6	No	No

9.105	11.618	81.4203	1.282	0	32.3	No	No
9.105	11.561	80.5942	1.339	0	32.1	No	No
9.105	11.4715	79.2971	1.4285	0	31.9	No	No
9.105	11.3235	77.1522	1.5765	0	31.5	No	No
9.105	11.2665	76.3261	1.6335	0	31.3	No	No
9.105	11.1705	74.9348	1.7295	0	31	No	No
9.105	11.0745	73.5435	1.8255	0	30.8	No	No
9.105	11.0305	72.9058	1.8695	0	30.6	No	No
9.105	10.9865	72.2681	1.9135	0	30.5	No	No
9.105	10.8645	70.5	2.0355	0	30.2	No	No
9.105	10.7425	68.7319	2.1575	0	29.8	No	No
9.105	10.6855	67.9058	2.2145	0	29.7	No	No
9.105	10.557	66.0435	2.343	0	29.3	No	No
9.105	10.4805	64.9348	2.4195	0	29.1	No	No
9.105	10.3585	63.1667	2.5415	0	28.8	No	No
9.105	10.2235	61.2101	2.6765	0	28.4	No	No
9.105	10.056	58.7826	2.844	0	27.9	No	No
9.105	9.9535	57.2971	2.9465	0	27.6	No	No
9.105	9.8575	55.9058	3.0425	0	27.4	No	No
9.105	9.807	55.1739	3.093	0	27.2	No	No
9.105	9.7045	53.6884	3.1955	0	27	No	No
9.105	9.6215	52.4855	3.2785	0	26.7	No	No
9.105	9.663	53.087	3.237	0	26.8	No	No
9.105	9.6645	53.1087	3.2355	0	26.8	No	No
9.105	9.588	52	3.312	0	26.6	No	No
9.105	9.492	50.6087	3.408	0	26.4	No	No
9.105	9.4285	49.6884	3.4715	0	26.2	No	No
9.105	9.313	48.0145	3.587	0	25.9	No	No
9.105	9.1585	45.7754	3.7415	0	25.4	No	No
9.105	9.0755	44.5725	3.8245	0	25.2	No	No
9.105	8.9925	43.3696	3.9075	0	25	No	No
9.105	8.90686	42.1284	3.99314	0	24.7	No	No
9.105	8.80477	40.6489	4.09523	0	24.5	No	No
9.105	8.73643	39.6583	4.16357	0	24.3	No	No

9.105	8.61136	37.8458	4.28864	0	23.9	No	No
9.105	8.49523	36.1628	4.40477	0	23.6	No	No
9.105	8.48151	35.964	4.41849	0	23.6	No	No
9.105	8.47411	35.8567	4.42589	0	23.5	No	No
9.105	8.43622	35.3076	4.46378	0	23.4	No	No
9.105	8.40692	34.883	4.49308	0	23.4	No	No
9.105	8.36011	34.2045	4.53989	0	23.2	No	No
9.105	8.30802	33.4495	4.59198	0	23.1	No	No
9.105	8.28059	33.0521	4.61941	0	23	No	No
9.105	8.19369	31.7926	4.70631	0	22.8	No	No
9.105	8.15408	31.2185	4.74592	0	22.7	No	No
9.105	8.14567	31.0966	4.75433	0	22.6	No	No
9.105	8.07964	30.1397	4.82036	0	22.4	No	No
9.105	8.13468	30.9374	4.76532	0	22.6	No	No
9.105	8.17274	31.489	4.72726	0	22.7	No	No
9.105	8.1899	31.7377	4.7101	0	22.7	No	No
9.105	8.18736	31.7009	4.71264	0	22.7	No	No
9.105	8.18046	31.6009	4.71954	0	22.7	No	No
9.105	8.17875	31.5761	4.72125	0	22.7	No	No
9.105	8.20912	32.0162	4.69088	0	22.8	No	No
9.105	8.21413	32.0889	4.68587	0	22.8	No	No
9.105	8.22337	32.2227	4.67663	0	22.8	No	No
9.105	8.25046	32.6154	4.64954	0	22.9	No	No
9.105	8.25202	32.6379	4.64798	0	22.9	No	No
9.105	8.26759	32.8636	4.63241	0	23	No	No
9.105	8.29619	33.2781	4.60381	0	23	No	No
9.105	8.32756	33.7328	4.57244	0	23.1	No	No
9.105	8.34703	34.0149	4.55297	0	23.2	No	No
9.105	8.36506	34.2763	4.53494	0	23.2	No	No
9.105	8.38673	34.5902	4.51327	0	23.3	No	No
9.105	8.38687	34.5923	4.51313	0	23.3	No	No
9.105	8.35202	34.0872	4.54798	0	23.2	No	No
9.105	8.3106	33.487	4.5894	0	23.1	No	No
9.105	8.30712	33.4365	4.59288	0	23.1	No	No

9.105	8.34257	33.9503	4.55743	0	23.2	No	No
9.105	8.38545	34.5718	4.51455	0	23.3	No	No
9.105	8.39568	34.72	4.50432	0	23.3	No	No
9.105	8.39009	34.639	4.50991	0	23.3	No	No
9.105	8.39496	34.7096	4.50504	0	23.3	No	No
9.105	8.37439	34.4115	4.52561	0	23.3	No	No
9.105	8.40036	34.7879	4.49964	0	23.3	No	No
9.105	8.38998	34.6374	4.51002	0	23.3	No	No
9.105	8.42582	35.1568	4.47418	0	23.4	No	No
9.105	8.47996	35.9414	4.42004	0	23.6	No	No
9.105	9.04354	44.1093	3.85645	0	25.1	No	No
9.105	9.10178	44.9533	3.79822	0	25.3	No	No
9.105	9.14515	45.5819	3.75485	0	25.4	No	No
9.105	9.13794	45.4773	3.76206	0	25.4	No	No
9.105	9.12499	45.2897	3.77501	0	25.3	No	No
9.105	9.14429	45.5694	3.75571	0	25.4	No	No
9.105	9.17672	46.0394	3.72328	0	25.5	No	No
9.105	9.14054	45.515	3.75946	0	25.4	No	No
9.105	9.28406	47.5951	3.61594	0	25.8	No	No
9.105	9.71665	53.8646	3.18335	0	27	No	No
9.105	9.83819	55.626	3.06181	0	27.3	No	No
9.105	9.93513	57.0309	2.96487	0	27.6	No	No
9.105	10.0376	58.5164	2.86237	0	27.9	No	No
9.105	10.0735	59.0366	2.82648	0	28	No	No
9.105	10.1038	59.4748	2.79624	0	28.1	No	No
9.105	10.1529	60.1867	2.74712	0	28.2	No	No
9.105	10.1719	60.4629	2.72806	0	28.3	No	No
9.105	10.3789	63.4625	2.52109	0	28.8	No	No
9.105	10.6546	67.4587	2.24535	0	29.6	No	No
9.105	10.6993	68.106	2.20069	0	29.7	No	No
9.105	10.7025	68.1521	2.1975	0	29.7	No	No
9.105	10.7724	69.1647	2.12764	0	29.9	No	No
9.105	10.8007	69.5757	2.09928	0	30	No	No
9.105	10.8138	69.7653	2.08619	0	30	No	No

9.105	10.7956	69.5021	2.10435	0	30	No	No
9.105	10.7723	69.1631	2.12775	0	29.9	No	No
9.105	10.7791	69.2624	2.12089	0	29.9	No	No
9.105	10.8396	70.1387	2.06043	0	30.1	No	No
9.105	10.8829	70.7661	2.01714	0	30.2	No	No
9.105	10.9483	71.715	1.95166	0	30.4	No	No
9.105	11.0392	73.0326	1.86075	0	30.7	No	No
9.105	11.1363	74.4391	1.7637	0	30.9	No	No
9.105	11.251	76.102	1.64896	0	31.3	No	No
9.105	11.1299	74.346	1.77013	0	30.9	No	No
9.105	10.9631	71.9293	1.93688	0	30.5	No	No
9.105	10.8513	70.3091	2.04867	0	30.1	No	No
9.105	10.7257	68.4883	2.17431	0	29.8	No	No
9.105	10.6233	67.0038	2.27674	0	29.5	No	No
9.105	10.5325	65.6887	2.36748	0	29.3	No	No
9.105	10.4478	64.4602	2.45225	0	29	No	No
9.105	10.5202	65.5098	2.37983	0	29.2	No	No
9.105	10.4784	64.905	2.42156	0	29.1	No	No
9.105	10.6902	67.9732	2.20985	0	29.7	No	No
9.105	10.731	68.5652	2.169	0	29.8	No	No
9.105	10.8277	69.9664	2.07232	0	30.1	No	No
9.105	10.7668	69.0843	2.13318	0	29.9	No	No
9.105	10.6841	67.8858	2.21588	0	29.7	No	No
9.105	10.5907	66.5324	2.30927	0	29.4	No	No
9.105	10.536	65.7391	2.364	0	29.3	No	No
9.105	10.4433	64.3953	2.45672	0	29	No	No
9.105	11.0398	73.0407	1.86019	0	30.7	No	No
9.105	11.0102	72.6123	1.88975	0	30.6	No	No
9.105	10.9024	71.0486	1.99765	0	30.3	No	No
9.105	10.8271	69.958	2.0729	0	30.1	No	No
9.105	11.3457	77.4736	1.55432	0	31.5	No	No
9.105	11.3623	77.7149	1.53767	0	31.6	No	No
9.105	11.9857	86.7499	0.914254	0	33.3	No	No
9.105	11.9381	86.0592	0.961918	0	33.2	No	No

9.105	11.8959	85.4474	1.00413	0	33	No	No
9.105	11.8433	84.6856	1.05669	0	32.9	No	No
9.105	11.7648	83.5471	1.13525	0	32.7	No	No
9.105	11.6917	82.4886	1.20829	0	32.5	No	No
9.105	11.6241	81.5094	1.27585	0	32.3	No	No
9.105	11.5775	80.834	1.32245	0	32.2	No	No
9.105	11.5311	80.1613	1.36887	0	32	No	No
9.105	11.4489	78.9698	1.45108	0	31.8	No	No
9.105	11.3721	77.8571	1.52786	0	31.6	No	No
9.105	11.3161	77.0443	1.58394	0	31.4	No	No
9.105	11.2602	76.2346	1.63981	0	31.3	No	No
9.105	11.2045	75.4281	1.69546	0	31.1	No	No
9.105	11.1491	74.6247	1.7509	0	31	No	No
9.105	11.0939	73.8244	1.80612	0	30.8	No	No

Field Report from Irrigation Scheduler Mobile.

All units are in inches.

Washingt

Start Date: 03-15-2017

End Date: 11-15-2017

Day of Year	Date	Reference	Crop Coeff	Unstressed	Stress Coef	Crop ET	Precipitatio	Irrigation	Root Depth	Field Capac	Wilting Poi	Avail. Water
74	03-15-2017	0.18	0.25	0.045	1	0.045	0.02	0	24	8.6	4	4.6
75	03-16-2017	0.17	0.25	0.043	1	0.043	0	0	24.2727	8.69773	4.04545	4.65227
76	03-17-2017	0.21	0.25	0.053	1	0.053	0	0	24.5455	8.79545	4.09091	4.70455
77	03-18-2017	0.14	0.25	0.035	1	0.035	0	0	24.8182	8.89318	4.13636	4.75682
78	03-19-2017	0.08	0.25	0.02	1	0.02	0.01	0	25.0909	8.99091	4.18182	4.80909
79	03-20-2017	0.15	0.25	0.038	1	0.038	0	0	25.3636	9.08864	4.22727	4.86136
80	03-21-2017	0.17	0.25	0.043	1	0.043	0.03	0	25.6364	9.18636	4.27273	4.91364
81	03-22-2017	0.12	0.25	0.03	1	0.03	0	0	25.9091	9.28409	4.31818	4.96591
82	03-23-2017	0.21	0.25	0.053	1	0.053	0.01	0	26.1818	9.38182	4.36364	5.01818
83	03-24-2017	0.12	0.25	0.03	1	0.03	0.09	0	26.4545	9.47955	4.40909	5.07045
84	03-25-2017	0.13	0.25	0.033	1	0.033	0	0	26.7273	9.57727	4.45455	5.12273
85	03-26-2017	0.13	0.25	0.033	1	0.033	0.02	0	27	9.675	4.5	5.175
86	03-27-2017	0.14	0.25	0.035	1	0.035	0.08	0	27.2727	9.77273	4.54545	5.22727
87	03-28-2017	0.19	0.25	0.048	1	0.048	0	0	27.5455	9.87045	4.59091	5.27955
88	03-29-2017	0.13	0.262903	0.034	1	0.034	0.12	0	27.8182	9.96818	4.63636	5.33182
89	03-30-2017	0.04	0.275806	0.011	1	0.011	0.62	0	28.0909	10.0659	4.68182	5.38409
90	03-31-2017	0.22	0.28871	0.064	1	0.064	0	0	28.3636	10.1636	4.72727	5.43636
91	04-01-2017	0.17	0.301613	0.051	1	0.051	0.01	0	28.6364	10.2614	4.77273	5.48864
92	04-02-2017	0.22	0.314516	0.069	1	0.069	0	0	28.9091	10.3591	4.81818	5.54091
93	04-03-2017	0.19	0.327419	0.062	1	0.062	0	0	29.1818	10.4568	4.86364	5.59318
94	04-04-2017	0.17	0.340323	0.058	1	0.058	0	0	29.4545	10.5545	4.90909	5.64545
95	04-05-2017	0.29	0.353226	0.102	1	0.102	0.01	0	29.7273	10.6523	4.95455	5.69773
96	04-06-2017	0.27	0.366129	0.099	1	0.099	0	0	30	10.75	5	5.75
97	04-07-2017	0.23	0.379032	0.087	1	0.087	0	0	30.2727	10.8477	5.04545	5.80227
98	04-08-2017	0.09	0.391935	0.035	1	0.035	0.17	0	30.5455	10.9455	5.09091	5.85455
99	04-09-2017	0.094	0.404839	0.038	1	0.038	0	0	30.8182	11.0432	5.13636	5.90682
100	04-10-2017	0.109	0.417742	0.045	1	0.045	0	0	31.0909	11.1409	5.18182	5.95909

101	04-11-2017	0.116	0.430645	0.05	1	0.05	0	0	31.3636	11.2386	5.22727	6.01136
102	04-12-2017	0.123	0.443548	0.054	1	0.054	0	0	31.6364	11.3364	5.27273	6.06364
103	04-13-2017	0.136	0.456452	0.062	1	0.062	0	0	31.9091	11.4341	5.31818	6.11591
104	04-14-2017	0.133	0.469355	0.062	1	0.062	0	0	32.1818	11.5318	5.36364	6.16818
105	04-15-2017	0.133	0.482258	0.064	1	0.064	0	0	32.4545	11.6295	5.40909	6.22045
106	04-16-2017	0.25	0.495161	0.124	1	0.124	0	0	32.7273	11.7273	5.45455	6.27273
107	04-17-2017	0.19	0.508065	0.097	1	0.097	0.03	0	33	11.825	5.5	6.325
108	04-18-2017	0.09	0.520968	0.047	1	0.047	0.23	0	33.2727	11.9227	5.54545	6.37727
109	04-19-2017	0.16	0.533871	0.085	1	0.085	0	0	33.5455	12.0205	5.59091	6.42955
110	04-20-2017	0.17	0.546774	0.093	1	0.093	0.01	0	33.8182	12.1182	5.63636	6.48182
111	04-21-2017	0.22	0.559677	0.123	1	0.123	0	0	34.0909	12.2159	5.68182	6.53409
112	04-22-2017	0.32	0.572581	0.183	1	0.183	0	0	34.3636	12.3136	5.72727	6.58636
113	04-23-2017	0.22	0.585484	0.129	1	0.129	0	0	34.6364	12.4114	5.77273	6.63864
114	04-24-2017	0.12	0.598387	0.072	1	0.072	0.19	0	34.9091	12.5091	5.81818	6.69091
115	04-25-2017	0.21	0.61129	0.128	1	0.128	0	0	35.1818	12.6068	5.86364	6.74318
116	04-26-2017	0.11	0.624194	0.069	1	0.069	0.38	0	35.4545	12.7045	5.90909	6.79545
117	04-27-2017	0.19	0.637097	0.121	1	0.121	0	0.19	35.7273	12.8023	5.95455	6.84773
118	04-28-2017	0.23	0.65	0.15	1	0.15	0	0.19	36	12.9	6	6.9
119	04-29-2017	0.22	0.65	0.143	1	0.143	0	0.19	36	12.9	6	6.9
120	04-30-2017	0.22	0.65	0.143	1	0.143	0	0.19	36	12.9	6	6.9
121	05-01-2017	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9
122	05-02-2017	0.28	0.65	0.182	1	0.182	0	0.19	36	12.9	6	6.9
123	05-03-2017	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9
124	05-04-2017	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
125	05-05-2017	0.32	0.65	0.208	1	0.208	0.06	0.19	36	12.9	6	6.9
126	05-06-2017	0.18	0.65	0.117	1	0.117	0.01	0.19	36	12.9	6	6.9
127	05-07-2017	0.23	0.65	0.15	1	0.15	0	0.19	36	12.9	6	6.9
128	05-08-2017	0.24	0.65	0.156	1	0.156	0.01	0.19	36	12.9	6	6.9
129	05-09-2017	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
130	05-10-2017	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
131	05-11-2017	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
132	05-12-2017	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
133	05-13-2017	0.19	0.65	0.124	1	0.124	0	0.19	36	12.9	6	6.9
134	05-14-2017	0.19	0.65	0.124	1	0.124	0.02	0.19	36	12.9	6	6.9

135	05-15-2017	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
136	05-16-2017	0.13	0.65	0.085	1	0.085	0.63	0	36	12.9	6	6.9
137	05-17-2017	0.1	0.65	0.065	1	0.065	0	0	36	12.9	6	6.9
138	05-18-2017	0.2	0.65	0.13	1	0.13	0.02	0	36	12.9	6	6.9
139	05-19-2017	0.26	0.65	0.169	1	0.169	0.01	0.19	36	12.9	6	6.9
140	05-20-2017	0.26	0.65	0.169	1	0.169	0.03	0.19	36	12.9	6	6.9
141	05-21-2017	0.23	0.65	0.15	1	0.15	0	0.19	36	12.9	6	6.9
142	05-22-2017	0.33	0.65	0.215	1	0.215	0	0.19	36	12.9	6	6.9
143	05-23-2017	0.33	0.65	0.215	1	0.215	0.03	0.19	36	12.9	6	6.9
144	05-24-2017	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
145	05-25-2017	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
146	05-26-2017	0.23	0.65	0.15	1	0.15	0.07	0.19	36	12.9	6	6.9
147	05-27-2017	0.25	0.65	0.163	1	0.163	0	0.19	36	12.9	6	6.9
148	05-28-2017	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
149	05-29-2017	0.37	0.65	0.241	1	0.241	0.02	0.19	36	12.9	6	6.9
150	05-30-2017	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
151	05-31-2017	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
152	06-01-2017	0.3	0.65	0.195	1	0.195	0.09	0.19	36	12.9	6	6.9
153	06-02-2017	0.27	0.65	0.176	1	0.176	0.01	0.19	36	12.9	6	6.9
154	06-03-2017	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
155	06-04-2017	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
156	06-05-2017	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
157	06-06-2017	0.37	0.65	0.241	1	0.241	0	0.19	36	12.9	6	6.9
158	06-07-2017	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
159	06-08-2017	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
160	06-09-2017	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
161	06-10-2017	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
162	06-11-2017	0.21	0.65	0.137	1	0.137	0.07	0.19	36	12.9	6	6.9
163	06-12-2017	0.08	0.65	0.052	1	0.052	0.29	0.19	36	12.9	6	6.9
164	06-13-2017	0.26	0.65	0.169	1	0.169	0.38	0.19	36	12.9	6	6.9
165	06-14-2017	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
166	06-15-2017	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
167	06-16-2017	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
168	06-17-2017	0.38	0.65	0.247	1	0.247	0.01	0.19	36	12.9	6	6.9

169	06-18-2017	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
170	06-19-2017	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
171	06-20-2017	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
172	06-21-2017	0.63	0.65	0.41	1	0.41	0	0.19	36	12.9	6	6.9
173	06-22-2017	0.63	0.65	0.41	1	0.41	0	0.19	36	12.9	6	6.9
174	06-23-2017	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
175	06-24-2017	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
176	06-25-2017	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
177	06-26-2017	0.5	0.65	0.325	1	0.325	0	0.19	36	12.9	6	6.9
178	06-27-2017	0.48	0.65	0.312	1	0.312	0.01	0.19	36	12.9	6	6.9
179	06-28-2017	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
180	06-29-2017	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
181	06-30-2017	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
182	07-01-2017	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
183	07-02-2017	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
184	07-03-2017	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
185	07-04-2017	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
186	07-05-2017	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
187	07-06-2017	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
188	07-07-2017	0.42	0.65	0.273	1	0.273	0	0.19	36	12.9	6	6.9
189	07-08-2017	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
190	07-09-2017	0.54	0.65	0.351	1	0.351	0	0.19	36	12.9	6	6.9
191	07-10-2017	0.53	0.65	0.345	1	0.345	0	0.19	36	12.9	6	6.9
192	07-11-2017	0.6	0.65	0.39	1	0.39	0	0.19	36	12.9	6	6.9
193	07-12-2017	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
194	07-13-2017	0.47	0.65	0.306	1	0.306	0	0.19	36	12.9	6	6.9
195	07-14-2017	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
196	07-15-2017	0.56	0.65	0.364	1	0.364	0	0.19	36	12.9	6	6.9
197	07-16-2017	0.66	0.65	0.429	1	0.429	0	0.19	36	12.9	6	6.9
198	07-17-2017	0.55	0.65	0.358	1	0.358	0	0.19	36	12.9	6	6.9
199	07-18-2017	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
200	07-19-2017	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
201	07-20-2017	0.51	0.65	0.332	1	0.332	0	0.19	36	12.9	6	6.9
202	07-21-2017	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9

203	07-22-2017	0.55	0.65	0.358	0.941868	0.337	0	0.19	36	12.9	6	6.9
204	07-23-2017	0.41	0.65	0.266	0.894616	0.238	0	0.19	36	12.9	6	6.9
205	07-24-2017	0.35	0.65	0.228	0.879023	0.2	0	0.19	36	12.9	6	6.9
206	07-25-2017	0.4	0.65	0.26	0.87581	0.228	0	0.19	36	12.9	6	6.9
207	07-26-2017	0.37	0.65	0.241	0.863665	0.208	0.42	0.19	36	12.9	6	6.9
208	07-27-2017	0.34	0.65	0.222	0.993226	0.22	0	0.19	36	12.9	6	6.9
209	07-28-2017	0.44	0.65	0.286	0.983724	0.281	0	0.19	36	12.9	6	6.9
210	07-29-2017	0.48	0.65	0.312	0.954306	0.298	0	0.19	36	12.9	6	6.9
211	07-30-2017	0.41	0.65	0.266	0.919606	0.245	0	0.19	36	12.9	6	6.9
212	07-31-2017	0.43	0.65	0.279	0.901868	0.252	0	0.19	36	12.9	6	6.9
213	08-01-2017	0.37	0.65	0.24	0.881877	0.212	0	0.19	36	12.9	6	6.9
214	08-02-2017	0.39	0.65	0.254	0.874762	0.222	0	0.19	36	12.9	6	6.9
215	08-03-2017	0.45	0.65	0.293	0.864536	0.253	0	0.19	36	12.9	6	6.9
216	08-04-2017	0.54	0.65	0.351	0.844286	0.296	0	0.19	36	12.9	6	6.9
217	08-05-2017	0.59	0.65	0.384	0.810037	0.311	0	0.19	36	12.9	6	6.9
218	08-06-2017	0.33	0.65	0.214	0.77118	0.165	0	0.19	36	12.9	6	6.9
219	08-07-2017	0.39	0.65	0.254	0.779097	0.198	0	0.19	36	12.9	6	6.9
220	08-08-2017	0.37	0.65	0.241	0.776681	0.187	0	0.19	36	12.9	6	6.9
221	08-09-2017	0.34	0.65	0.221	0.777714	0.172	0.04	0.19	36	12.9	6	6.9
222	08-10-2017	0.41	0.65	0.266	0.796434	0.212	0	0.19	36	12.9	6	6.9
223	08-11-2017	0.39	0.65	0.253	0.789269	0.2	0	0.19	36	12.9	6	6.9
224	08-12-2017	0.41	0.65	0.266	0.786022	0.209	0	0.19	36	12.9	6	6.9
225	08-13-2017	0.49	0.65	0.318	0.77975	0.248	0	0.19	36	12.9	6	6.9
226	08-14-2017	0.19	0.65	0.124	0.760958	0.094	0.14	0.19	36	12.9	6	6.9
227	08-15-2017	0.29	0.65	0.189	0.836971	0.158	0	0.19	36	12.9	6	6.9
228	08-16-2017	0.35	0.65	0.228	0.847352	0.193	0	0.19	36	12.9	6	6.9
229	08-17-2017	0.47	0.65	0.306	0.846459	0.259	0	0.19	36	12.9	6	6.9
230	08-18-2017	0.42	0.65	0.273	0.824367	0.225	0	0.19	36	12.9	6	6.9
231	08-19-2017	0.47	0.65	0.305	0.813078	0.248	0	0.19	36	12.9	6	6.9
232	08-20-2017	0.49	0.65	0.319	0.794272	0.253	0	0.19	36	12.9	6	6.9
233	08-21-2017	0.38	0.65	0.247	0.77399	0.191	0	0.19	36	12.9	6	6.9
234	08-22-2017	0.34	0.65	0.221	0.773611	0.171	0	0.19	36	12.9	6	6.9
235	08-23-2017	0.27	0.65	0.176	0.779741	0.137	0	0.19	36	12.9	6	6.9
236	08-24-2017	0.31	0.65	0.202	0.79686	0.161	0	0.19	36	12.9	6	6.9

237	08-25-2017	0.29	0.65	0.189	0.806339	0.152	0	0.19	36	12.9	6	6.9
238	08-26-2017	0.36	0.65	0.235	0.818579	0.192	0	0.19	36	12.9	6	6.9
239	08-27-2017	0.35	0.65	0.227	0.818081	0.186	0	0.19	36	12.9	6	6.9
240	08-28-2017	0.39	0.65	0.254	0.819332	0.208	0	0.19	36	12.9	6	6.9
241	08-29-2017	0.39	0.65	0.253	0.813632	0.206	0	0.19	36	12.9	6	6.9
242	08-30-2017	0.35	0.65	0.228	0.808396	0.184	0	0.19	36	12.9	6	6.9
243	08-31-2017	0.34	0.65	0.221	0.810358	0.179	0	0.19	36	12.9	6	6.9
244	09-01-2017	0.41	0.65	0.267	0.813872	0.217	0	0.19	36	12.9	6	6.9
245	09-02-2017	0.35	0.648	0.227	0.805209	0.183	0	0.19	36	12.9	6	6.9
246	09-03-2017	0.31	0.646	0.201	0.807586	0.162	0	0.19	36	12.9	6	6.9
247	09-04-2017	0.33	0.644	0.213	0.816691	0.174	0	0.19	36	12.9	6	6.9
248	09-05-2017	0.29	0.642	0.186	0.821985	0.153	0.01	0.19	36	12.9	6	6.9
249	09-06-2017	0.29	0.64	0.185	0.83711	0.155	0	0.19	36	12.9	6	6.9
250	09-07-2017	0.37	0.638	0.236	0.848264	0.2	0.03	0.19	36	12.9	6	6.9
251	09-08-2017	0.3	0.636	0.191	0.854627	0.163	0	0.19	36	12.9	6	6.9
252	09-09-2017	0.29	0.634	0.184	0.863302	0.159	0	0.19	36	12.9	6	6.9
253	09-10-2017	0.39	0.632	0.246	0.873374	0.215	0	0.19	36	12.9	6	6.9
254	09-11-2017	0.24	0.63	0.151	0.865236	0.131	0	0.19	36	12.9	6	6.9
255	09-12-2017	0.26	0.628	0.163	0.884295	0.144	0	0.19	36	12.9	6	6.9
256	09-13-2017	0.3	0.626	0.188	0.898984	0.169	0	0.19	36	12.9	6	6.9
257	09-14-2017	0.22	0.624	0.137	0.905803	0.124	0.06	0.19	36	12.9	6	6.9
258	09-15-2017	0.37	0.622	0.23	0.94627	0.218	0	0.19	36	12.9	6	6.9
259	09-16-2017	0.19	0.62	0.117	0.937325	0.11	0	0.19	36	12.9	6	6.9
260	09-17-2017	0.27	0.618	0.167	0.962956	0.161	0	0.19	36	12.9	6	6.9
261	09-18-2017	0.17	0.616	0.105	0.972399	0.102	0.07	0.19	36	12.9	6	6.9
262	09-19-2017	0.15	0.614	0.092	1	0.092	0.07	0.19	36	12.9	6	6.9
263	09-20-2017	0.18	0.612	0.11	1	0.11	0.03	0.19	36	12.9	6	6.9
264	09-21-2017	0.08	0.61	0.049	1	0.049	0.07	0.19	36	12.9	6	6.9
265	09-22-2017	0.11	0.608	0.067	1	0.067	0	0.19	36	12.9	6	6.9
266	09-23-2017	0.14	0.606	0.085	1	0.085	0	0.19	36	12.9	6	6.9
267	09-24-2017	0.2	0.604	0.121	1	0.121	0	0.19	36	12.9	6	6.9
268	09-25-2017	0.14	0.602	0.084	1	0.084	0.03	0.19	36	12.9	6	6.9
269	09-26-2017	0.16	0.6	0.096	1	0.096	0	0.19	36	12.9	6	6.9
270	09-27-2017	0.2	0.598	0.12	1	0.12	0	0.19	36	12.9	6	6.9

271	09-28-2017	0.22	0.596	0.131	1	0.131	0	0.19	36	12.9	6	6.9
272	09-29-2017	0.24	0.594	0.143	1	0.143	0	0.19	36	12.9	6	6.9
273	09-30-2017	0.2	0.592	0.118	1	0.118	0.04	0.19	36	12.9	6	6.9
274	10-01-2017	0.2	0.59	0.118	1	0.118	0	0.19	36	12.9	6	6.9
275	10-02-2017	0.13	0.588	0.076	1	0.076	0	0.19	36	12.9	6	6.9
276	10-03-2017	0.18	0.586	0.105	1	0.105	0	0.19	36	12.9	6	6.9
277	10-04-2017	0.11	0.584	0.064	1	0.064	0.06	0.19	36	12.9	6	6.9
278	10-05-2017	0.14	0.582	0.081	1	0.081	0	0.19	36	12.9	6	6.9
279	10-06-2017	0.17	0.58	0.099	1	0.099	0	0.19	36	12.9	6	6.9
280	10-07-2017	0.24	0.578	0.139	1	0.139	0.02	0.19	36	12.9	6	6.9
281	10-08-2017	0.2	0.576	0.115	1	0.115	0	0.19	36	12.9	6	6.9
282	10-09-2017	0.12	0.574	0.069	1	0.069	0	0.19	36	12.9	6	6.9
283	10-10-2017	0.26	0.572	0.149	1	0.149	0	0.19	36	12.9	6	6.9
284	10-11-2017	0.17	0.57	0.097	1	0.097	0	0.19	36	12.9	6	6.9
285	10-12-2017	0.12	0.568	0.068	1	0.068	0	0	36	12.9	6	6.9
286	10-13-2017	0.11	0.566	0.062	1	0.062	0.01	0	36	12.9	6	6.9
287	10-14-2017	0.14	0.564	0.079	1	0.079	0	0	36	12.9	6	6.9
288	10-15-2017	0.19	0.562	0.107	1	0.107	0	0	36	12.9	6	6.9
289	10-16-2017	0.16	0.56	0.09	1	0.09	0	0	36	12.9	6	6.9
290	10-17-2017	0.22	0.558	0.123	1	0.123	0	0	36	12.9	6	6.9
291	10-18-2017	0.2	0.556	0.111	1	0.111	0	0	36	12.9	6	6.9
292	10-19-2017	0.27	0.554	0.15	1	0.15	0	0	36	12.9	6	6.9
293	10-20-2017	0.18	0.552	0.099	1	0.099	0.26	0	36	12.9	6	6.9
294	10-21-2017	0.07	0.55	0.039	1	0.039	0.11	0	36	12.9	6	6.9
295	10-22-2017	0.15	0.548	0.082	1	0.082	0	0	36	12.9	6	6.9
296	10-23-2017	0.14	0.546	0.076	1	0.076	0	0	36	12.9	6	6.9
297	10-24-2017	0.09	0.544	0.049	1	0.049	0	0	36	12.9	6	6.9
298	10-25-2017	0.15	0.542	0.081	1	0.081	0	0	36	12.9	6	6.9
299	10-26-2017	0.16	0.54	0.086	1	0.086	0	0	36	12.9	6	6.9
300	10-27-2017	0.08	0.538	0.043	1	0.043	0	0	36	12.9	6	6.9
301	10-28-2017	0.11	0.536	0.059	1	0.059	0	0	36	12.9	6	6.9
302	10-29-2017	0.12	0.534	0.064	1	0.064	0	0	36	12.9	6	6.9
303	10-30-2017	0.21	0.532	0.112	1	0.112	0	0	36	12.9	6	6.9
304	10-31-2017	0.12	0.53	0.064	1	0.064	0	0	36	12.9	6	6.9

305	11-01-2017	0.21	0.528	0.111	1	0.111	0	0	36	12.9	6	6.9
306	11-02-2017	0.15	0.526	0.079	1	0.079	0	0	36	12.9	6	6.9
307	11-03-2017	0.12	0.524	0.063	1	0.063	0.02	0	36	12.9	6	6.9
308	11-04-2017	0.03	0.522	0.016	1	0.016	0.25	0	36	12.9	6	6.9
309	11-05-2017	0.06	0.52	0.031	1	0.031	0.04	0	36	12.9	6	6.9
310	11-06-2017	0.03	0.518	0.016	1	0.016	0.04	0	36	12.9	6	6.9
311	11-07-2017	0.05	0.516	0.026	1	0.026	0	0	36	12.9	6	6.9
312	11-08-2017	0.11	0.514	0.057	1	0.057	0	0	36	12.9	6	6.9
313	11-09-2017	0.22	0.512	0.113	1	0.113	0	0	36	12.9	6	6.9
314	11-10-2017	0.1	0.51	0.051	1	0.051	0.06	0	36	12.9	6	6.9
315	11-11-2017	0.1	0.508	0.051	1	0.051	0	0	36	12.9	6	6.9
316	11-12-2017	0.1	0.506	0.051	1	0.051	0	0	36	12.9	6	6.9
317	11-13-2017	0.1	0.504	0.05	1	0.05	0	0	36	12.9	6	6.9
318	11-14-2017	0.1	0.502	0.05	1	0.05	0	0	36	12.9	6	6.9

Water Stor Current Wz Modeled A Root Zone Deep Percc Volumetric Measured , Modified F Forage Cutting Flag

6.07	8.6	100	0	0	35.8	No	No
6.13898	8.65523	99.0865	0.0425	0	35.7	No	No
6.20795	8.70045	97.9807	0.095	0	35.4	No	No
6.27693	8.76318	97.2671	0.13	0	35.3	No	No
6.34591	8.85091	97.0888	0.14	0	35.3	No	No
6.41489	8.91114	96.3488	0.1775	0	35.1	No	No
6.48386	8.99636	96.1332	0.19	0	35.1	No	No
6.55284	9.06409	95.5698	0.22	0	35	No	No
6.62182	9.11932	94.769	0.2625	0	34.8	No	No
6.6908	9.27705	96.0063	0.2025	0	35.1	No	No
6.75977	9.34227	95.4126	0.235	0	35	No	No
6.82875	9.4275	95.2174	0.2475	0	34.9	No	No
6.89773	9.57023	96.1261	0.2025	0	35.1	No	No
6.9667	9.62045	95.2647	0.25	0	34.9	No	No
7.03568	9.804	96.9208	0.164177	0	35.2	No	No
7.10466	10.0659	100	0	0.44479	35.8	No	No
7.17364	10.1001	98.8316	0.063516	0	35.6	No	No
7.24261	10.1566	98.0908	0.10479	0	35.5	No	No
7.31159	10.1851	96.86	0.173984	0	35.2	No	No
7.38057	10.2206	95.7771	0.236194	0	35	No	No
7.44955	10.2605	94.7914	0.294048	0	34.8	No	No
7.51852	10.2658	93.2169	0.386484	0	34.5	No	No
7.5875	10.2647	91.5593	0.485339	0	34.2	No	No
7.65648	10.2752	90.1329	0.572516	0	33.9	No	No
7.72545	10.5077	92.5222	0.43779	0	34.4	No	No
7.79443	10.5672	91.9415	0.475999	0	34.3	No	No
7.86341	10.6195	91.25	0.521423	0	34.2	No	No

7.93239	10.6673	90.4965	0.571292	0	34	No	No
8.00136	10.7107	89.6814	0.625684	0	33.9	No	No
8.07034	10.7464	88.756	0.687672	0	33.7	No	No
8.13932	10.7817	87.8396	0.750076	0	33.5	No	No
8.2083	10.8154	86.911	0.814195	0	33.3	No	No
8.27727	10.7893	85.0466	0.937985	0	33	No	No
8.34625	10.8205	84.1183	1.00452	0	32.8	No	No
8.41523	11.1013	87.1198	0.821405	0	33.4	No	No
8.4842	11.1136	85.896	0.906824	0	33.1	No	No
8.55318	11.1284	84.73	0.989776	0	32.9	No	No
8.62216	11.103	82.9677	1.1129	0	32.6	No	No
8.69114	11.0175	80.321	1.29613	0	32.1	No	No
8.76011	10.9864	78.5357	1.42494	0	31.7	No	No
8.82909	11.2023	80.4699	1.30674	0	32.1	No	No
8.89807	11.1717	78.7175	1.43511	0	31.8	No	No
8.96705	11.5808	83.4628	1.12378	0	32.7	No	No
9.03602	11.7474	84.596	1.05482	0	32.9	No	No
9.105	11.8857	85.2997	1.01432	0	33	No	No
9.105	11.9327	85.9808	0.967324	0	33.1	No	No
9.105	11.9797	86.662	0.920324	0	33.3	No	No
9.105	12.0072	87.0605	0.892824	0	33.4	No	No
9.105	12.0152	87.1765	0.884824	0	33.4	No	No
9.105	12.0427	87.575	0.857324	0	33.5	No	No
9.105	12.0052	87.0315	0.894824	0	33.3	No	No
9.105	12.0472	87.6402	0.852824	0	33.5	No	No
9.105	12.1302	88.8431	0.769824	0	33.7	No	No
9.105	12.1707	89.4301	0.729324	0	33.8	No	No
9.105	12.2147	90.0678	0.685324	0	33.9	No	No
9.105	12.1967	89.8069	0.703324	0	33.9	No	No
9.105	12.2112	90.017	0.688824	0	33.9	No	No
9.105	12.2062	89.9446	0.693824	0	33.9	No	No
9.105	12.2077	89.9663	0.692324	0	33.9	No	No
9.105	12.2742	90.9301	0.625824	0	34.1	No	No
9.105	12.3607	92.1837	0.539324	0	34.3	No	No

9.105	12.3557	92.1112	0.544324	0	34.3	No	No
9.105	12.9	100	0	0.001176	35.8	No	No
9.105	12.835	99.058	0.065	0	35.7	No	No
9.105	12.725	97.4638	0.175	0	35.3	No	No
9.105	12.756	97.913	0.144	0	35.4	No	No
9.105	12.807	98.6522	0.093	0	35.6	No	No
9.105	12.8475	99.2391	0.0525	0	35.7	No	No
9.105	12.823	98.8841	0.077	0	35.6	No	No
9.105	12.8285	98.9638	0.0715	0	35.6	No	No
9.105	12.7455	97.7609	0.1545	0	35.4	No	No
9.105	12.734	97.5942	0.166	0	35.4	No	No
9.105	12.8445	99.1957	0.0555	0	35.7	No	No
9.105	12.872	99.5942	0.028	0	35.8	No	No
9.105	12.8605	99.4275	0.0395	0	35.7	No	No
9.105	12.83	98.9855	0.07	0	35.6	No	No
9.105	12.734	97.5942	0.166	0	35.4	No	No
9.105	12.651	96.3913	0.249	0	35.1	No	No
9.105	12.736	97.6232	0.164	0	35.4	No	No
9.105	12.7605	97.9783	0.1395	0	35.4	No	No
9.105	12.6905	96.9638	0.2095	0	35.3	No	No
9.105	12.588	95.4783	0.312	0	35	No	No
9.105	12.518	94.4638	0.382	0	34.8	No	No
9.105	12.4675	93.7319	0.4325	0	34.6	No	No
9.105	12.3715	92.3406	0.5285	0	34.4	No	No
9.105	12.3015	91.3261	0.5985	0	34.2	No	No
9.105	12.29	91.1594	0.61	0	34.1	No	No
9.105	12.2915	91.1812	0.6085	0	34.1	No	No
9.105	12.415	92.971	0.485	0	34.5	No	No
9.105	12.843	99.1739	0.057	0	35.7	No	No
9.105	12.9	100	0	0.344	35.8	No	No
9.105	12.9	100	0	0.0145	35.8	No	No
9.105	12.9	100	0	0.021	35.8	No	No
9.105	12.856	99.3623	0.044	0	35.7	No	No
9.105	12.809	98.6812	0.091	0	35.6	No	No

9.105	12.739	97.6667	0.161	0	35.4	No	No
9.105	12.6755	96.7464	0.2245	0	35.2	No	No
9.105	12.5665	95.1667	0.3335	0	34.9	No	No
9.105	12.347	91.9855	0.553	0	34.3	No	No
9.105	12.1275	88.8043	0.7725	0	33.7	No	No
9.105	12.0445	87.6014	0.8555	0	33.5	No	No
9.105	11.968	86.4928	0.932	0	33.2	No	No
9.105	11.8785	85.1957	1.0215	0	33	No	No
9.105	11.7435	83.2391	1.1565	0	32.6	No	No
9.105	11.6315	81.6159	1.2685	0	32.3	No	No
9.105	11.5485	80.413	1.3515	0	32.1	No	No
9.105	11.4395	78.8333	1.4605	0	31.8	No	No
9.105	11.363	77.7246	1.537	0	31.6	No	No
9.105	11.28	76.5217	1.62	0	31.3	No	No
9.105	11.2035	75.413	1.6965	0	31.1	No	No
9.105	11.1075	74.0217	1.7925	0	30.9	No	No
9.105	11.0505	73.1957	1.8495	0	30.7	No	No
9.105	10.9675	71.9928	1.9325	0	30.5	No	No
9.105	10.8715	70.6014	2.0285	0	30.2	No	No
9.105	10.7885	69.3986	2.1115	0	30	No	No
9.105	10.6925	68.0072	2.2075	0	29.7	No	No
9.105	10.5315	65.6739	2.3685	0	29.3	No	No
9.105	10.377	63.4348	2.523	0	28.8	No	No
9.105	10.177	60.5362	2.723	0	28.3	No	No
9.105	10.107	59.5217	2.793	0	28.1	No	No
9.105	9.9915	57.8478	2.9085	0	27.8	No	No
9.105	9.9215	56.8333	2.9785	0	27.6	No	No
9.105	9.7475	54.3116	3.1525	0	27.1	No	No
9.105	9.5085	50.8478	3.3915	0	26.4	No	No
9.105	9.341	48.4203	3.559	0	25.9	No	No
9.105	9.2775	47.5	3.6225	0	25.8	No	No
9.105	9.188	46.2029	3.712	0	25.5	No	No
9.105	9.0465	44.1522	3.8535	0	25.1	No	No
9.105	8.9245	42.3841	3.9755	0	24.8	No	No

9.105	8.77778	40.2577	4.12222	0	24.4	No	No
9.105	8.72937	39.556	4.17063	0	24.2	No	No
9.105	8.71939	39.4114	4.18061	0	24.2	No	No
9.105	8.68168	38.8649	4.21832	0	24.1	No	No
9.105	9.08397	44.6952	3.81603	0	25.2	No	No
9.105	9.05446	44.2676	3.84554	0	25.2	No	No
9.105	8.96312	42.9438	3.93688	0	24.9	No	No
9.105	8.85538	41.3823	4.04462	0	24.6	No	No
9.105	8.8003	40.5841	4.0997	0	24.4	No	No
9.105	8.73823	39.6845	4.16177	0	24.3	No	No
9.105	8.71614	39.3643	4.18386	0	24.2	No	No
9.105	8.68439	38.9041	4.21561	0	24.1	No	No
9.105	8.62151	37.9929	4.27849	0	23.9	No	No
9.105	8.51516	36.4516	4.38484	0	23.7	No	No
9.105	8.39452	34.7031	4.50549	0	23.3	No	No
9.105	8.4191	35.0594	4.4809	0	23.4	No	No
9.105	8.4116	34.9507	4.4884	0	23.4	No	No
9.105	8.4148	34.9972	4.4852	0	23.4	No	No
9.105	8.47293	35.8395	4.42707	0	23.5	No	No
9.105	8.45068	35.5171	4.44932	0	23.5	No	No
9.105	8.4406	35.371	4.4594	0	23.4	No	No
9.105	8.42112	35.0888	4.47888	0	23.4	No	No
9.105	8.36277	34.2431	4.53723	0	23.2	No	No
9.105	8.5988	37.6637	4.3012	0	23.9	No	No
9.105	8.63103	38.1308	4.26897	0	24	No	No
9.105	8.62825	38.0906	4.27175	0	24	No	No
9.105	8.55966	37.0965	4.34034	0	23.8	No	No
9.105	8.52461	36.5885	4.37539	0	23.7	No	No
9.105	8.46621	35.7422	4.43379	0	23.5	No	No
9.105	8.40324	34.8295	4.49676	0	23.3	No	No
9.105	8.40206	34.8125	4.49794	0	23.3	No	No
9.105	8.42109	35.0883	4.47891	0	23.4	No	No
9.105	8.47425	35.8587	4.42575	0	23.5	No	No
9.105	8.50368	36.2853	4.39632	0	23.6	No	No

9.105	8.54169	36.8361	4.35831	0	23.7	No	No
9.105	8.54014	36.8136	4.35986	0	23.7	No	No
9.105	8.54403	36.87	4.35597	0	23.7	No	No
9.105	8.52633	36.6134	4.37367	0	23.7	No	No
9.105	8.51007	36.3778	4.38993	0	23.6	No	No
9.105	8.51616	36.4661	4.38384	0	23.7	No	No
9.105	8.52707	36.6242	4.37293	0	23.7	No	No
9.105	8.50017	36.2344	4.39983	0	23.6	No	No
9.105	8.50755	36.3414	4.39245	0	23.6	No	No
9.105	8.53583	36.7511	4.36417	0	23.7	No	No
9.105	8.55226	36.9893	4.34774	0	23.8	No	No
9.105	8.59923	37.6699	4.30077	0	23.9	No	No
9.105	8.63386	38.1719	4.26614	0	24	No	No
9.105	8.65362	38.4582	4.24638	0	24	No	No
9.105	8.68055	38.8486	4.21945	0	24.1	No	No
9.105	8.71183	39.3018	4.18817	0	24.2	No	No
9.105	8.68656	38.9356	4.21344	0	24.1	No	No
9.105	8.74573	39.7933	4.15427	0	24.3	No	No
9.105	8.79135	40.4543	4.10865	0	24.4	No	No
9.105	8.81252	40.7611	4.08748	0	24.5	No	No
9.105	8.93817	42.5822	3.96183	0	24.8	No	No
9.105	8.91039	42.1796	3.98961	0	24.8	No	No
9.105	8.98998	43.333	3.91002	0	25	No	No
9.105	9.0193	43.7579	3.8807	0	25.1	No	No
9.105	9.17747	46.0503	3.72253	0	25.5	No	No
9.105	9.34537	48.4836	3.55463	0	26	No	No
9.105	9.45521	50.0755	3.44479	0	26.3	No	No
9.105	9.66641	53.1364	3.23359	0	26.9	No	No
9.105	9.78953	54.9207	3.11047	0	27.2	No	No
9.105	9.89469	56.4448	3.00531	0	27.5	No	No
9.105	9.96389	57.4477	2.93611	0	27.7	No	No
9.105	10.0996	59.4146	2.80039	0	28.1	No	No
9.105	10.1936	60.7769	2.70639	0	28.3	No	No
9.105	10.264	61.7972	2.63599	0	28.5	No	No

9.105	10.3229	62.6506	2.57711	0	28.7	No	No
9.105	10.3703	63.3381	2.52967	0	28.8	No	No
9.105	10.4819	64.9555	2.41807	0	29.1	No	No
9.105	10.5539	65.999	2.34607	0	29.3	No	No
9.105	10.6675	67.6448	2.23251	0	29.6	No	No
9.105	10.752	68.8697	2.14799	0	29.9	No	No
9.105	10.9378	71.5619	1.96223	0	30.4	No	No
9.105	11.0463	73.1346	1.85371	0	30.7	No	No
9.105	11.1377	74.4593	1.76231	0	30.9	No	No
9.105	11.209	75.4923	1.69103	0	31.1	No	No
9.105	11.2838	76.5764	1.61623	0	31.3	No	No
9.105	11.4049	78.3317	1.49511	0	31.7	No	No
9.105	11.4462	78.93	1.45383	0	31.8	No	No
9.105	11.5393	80.2793	1.36073	0	32.1	No	No
9.105	11.4711	79.2914	1.42889	0	31.9	No	No
9.105	11.4188	78.534	1.48115	0	31.7	No	No
9.105	11.3399	77.3897	1.56011	0	31.5	No	No
9.105	11.2331	75.8422	1.66689	0	31.2	No	No
9.105	11.1435	74.5436	1.75649	0	31	No	No
9.105	11.0207	72.7645	1.87925	0	30.6	No	No
9.105	10.9095	71.1529	1.99045	0	30.3	No	No
9.105	10.76	68.9851	2.14003	0	29.9	No	No
9.105	10.9206	71.3132	1.97939	0	30.3	No	No
9.105	10.9921	72.3494	1.90789	0	30.5	No	No
9.105	10.9099	71.1581	1.99009	0	30.3	No	No
9.105	10.8335	70.0503	2.06653	0	30.1	No	No
9.105	10.7845	69.3407	2.11549	0	30	No	No
9.105	10.7032	68.1625	2.19679	0	29.7	No	No
9.105	10.6168	66.9103	2.28319	0	29.5	No	No
9.105	10.5738	66.2865	2.32623	0	29.4	No	No
9.105	10.5148	65.432	2.38519	0	29.2	No	No
9.105	10.4507	64.5033	2.44927	0	29	No	No
9.105	10.339	62.8842	2.56099	0	28.7	No	No
9.105	10.2754	61.9624	2.62459	0	28.5	No	No

9.105	10.1645	60.3555	2.73547	0	28.2	No	No
9.105	10.0856	59.212	2.81437	0	28	No	No
9.105	10.0427	58.5906	2.85725	0	27.9	No	No
9.105	10.2771	61.9868	2.62291	0	28.5	No	No
9.105	10.2859	62.1143	2.61411	0	28.6	No	No
9.105	10.3103	62.4688	2.58965	0	28.6	No	No
9.105	10.2845	62.0949	2.61545	0	28.6	No	No
9.105	10.228	61.2755	2.67199	0	28.4	No	No
9.105	10.1154	59.643	2.78463	0	28.1	No	No
9.105	10.1244	59.7735	2.77563	0	28.1	No	No
9.105	10.0736	59.0372	2.82643	0	28	No	No
9.105	10.023	58.3039	2.87703	0	27.8	No	No
9.105	9.97257	57.5735	2.92743	0	27.7	No	No
9.105	9.92237	56.8459	2.97763	0	27.6	No	No

Field Report from Irrigation Scheduler Mobile.

All units are in inches.

Washingt

Start Date: 03-15-2018

End Date: 11-15-2018

Day of Year	Date	Reference	Crop Coeff	Unstressed	Stress Coef	Crop ET	Precipitatio	Irrigation	Root Depth	Field Capac	Wilting Poi	Avail. Wate
74	03-15-201	0.08	0.25	0.02	1	0.02	0	0	24	8.6	4	4.6
75	03-16-201	0.09	0.25	0.023	1	0.023	0.32	0	24.2727	8.69773	4.04545	4.65227
76	03-17-201	0.07	0.25	0.018	1	0.018	0.21	0	24.5455	8.79545	4.09091	4.70455
77	03-18-201	0.1	0.25	0.025	1	0.025	0	0	24.8182	8.89318	4.13636	4.75682
78	03-19-201	0.1	0.25	0.025	1	0.025	0.02	0	25.0909	8.99091	4.18182	4.80909
79	03-20-201	0.1	0.25	0.025	1	0.025	0	0	25.3636	9.08864	4.22727	4.86136
80	03-21-201	0.15	0.25	0.038	1	0.038	0.02	0	25.6364	9.18636	4.27273	4.91364
81	03-22-201	0.04	0.25	0.01	1	0.01	0.16	0	25.9091	9.28409	4.31818	4.96591
82	03-23-201	0.14	0.25	0.035	1	0.035	0.01	0	26.1818	9.38182	4.36364	5.01818
83	03-24-201	0.16	0.25	0.04	1	0.04	0	0	26.4545	9.47955	4.40909	5.07045
84	03-25-201	0.07	0.25	0.018	1	0.018	0.14	0	26.7273	9.57727	4.45455	5.12273
85	03-26-201	0.15	0.25	0.038	1	0.038	0	0	27	9.675	4.5	5.175
86	03-27-201	0.18	0.25	0.045	1	0.045	0	0	27.2727	9.77273	4.54545	5.22727
87	03-28-201	0.22	0.25	0.055	1	0.055	0	0	27.5455	9.87045	4.59091	5.27955
88	03-29-201	0.21	0.262903	0.055	1	0.055	0	0	27.8182	9.96818	4.63636	5.33182
89	03-30-201	0.2	0.275806	0.055	1	0.055	0	0	28.0909	10.0659	4.68182	5.38409
90	03-31-201	0.2	0.28871	0.058	1	0.058	0	0	28.3636	10.1636	4.72727	5.43636
91	04-01-201	0.14	0.301613	0.042	1	0.042	0	0	28.6364	10.2614	4.77273	5.48864
92	04-02-201	0.16	0.314516	0.05	1	0.05	0.16	0	28.9091	10.3591	4.81818	5.54091
93	04-03-201	0.15	0.327419	0.049	1	0.049	0.02	0	29.1818	10.4568	4.86364	5.59318
94	04-04-201	0.17	0.340323	0.058	1	0.058	0	0	29.4545	10.5545	4.90909	5.64545
95	04-05-201	0.11	0.353226	0.039	1	0.039	0	0	29.7273	10.6523	4.95455	5.69773
96	04-06-201	0.09	0.366129	0.033	1	0.033	0.18	0	30	10.75	5	5.75
97	04-07-201	0.18	0.379032	0.068	1	0.068	0.1	0	30.2727	10.8477	5.04545	5.80227
98	04-08-201	0.17	0.391935	0.067	1	0.067	0.01	0	30.5455	10.9455	5.09091	5.85455
99	04-09-201	0.097	0.404839	0.039	1	0.039	0	0	30.8182	11.0432	5.13636	5.90682
100	04-10-201	0.113	0.417742	0.047	1	0.047	0	0	31.0909	11.1409	5.18182	5.95909

101	04-11-201	0.116	0.430645	0.05	1	0.05	0	0	31.3636	11.2386	5.22727	6.01136
102	04-12-201	0.125	0.443548	0.056	1	0.056	0	0	31.6364	11.3364	5.27273	6.06364
103	04-13-201	0.134	0.456452	0.061	1	0.061	0	0	31.9091	11.4341	5.31818	6.11591
104	04-14-201	0.135	0.469355	0.063	1	0.063	0	0	32.1818	11.5318	5.36364	6.16818
105	04-15-201	0.126	0.482258	0.061	1	0.061	0	0	32.4545	11.6295	5.40909	6.22045
106	04-16-201	0.126	0.495161	0.063	1	0.063	0	0	32.7273	11.7273	5.45455	6.27273
107	04-17-201	0.17	0.508065	0.086	1	0.086	0	0	33	11.825	5.5	6.325
108	04-18-201	0.26	0.520968	0.135	1	0.135	0.02	0	33.2727	11.9227	5.54545	6.37727
109	04-19-201	0.22	0.533871	0.117	1	0.117	0	0	33.5455	12.0205	5.59091	6.42955
110	04-20-201	0.37	0.546774	0.202	1	0.202	0	0	33.8182	12.1182	5.63636	6.48182
111	04-21-201	0.29	0.559677	0.162	1	0.162	0	0	34.0909	12.2159	5.68182	6.53409
112	04-22-201	0.25	0.572581	0.143	1	0.143	0	0	34.3636	12.3136	5.72727	6.58636
113	04-23-201	0.32	0.585484	0.187	1	0.187	0	0	34.6364	12.4114	5.77273	6.63864
114	04-24-201	0.27	0.598387	0.162	1	0.162	0	0	34.9091	12.5091	5.81818	6.69091
115	04-25-201	0.32	0.61129	0.196	1	0.196	0	0.19	35.1818	12.6068	5.86364	6.74318
116	04-26-201	0.36	0.624194	0.225	1	0.225	0	0.19	35.4545	12.7045	5.90909	6.79545
117	04-27-201	0.49	0.637097	0.312	1	0.312	0	0.19	35.7273	12.8023	5.95455	6.84773
118	04-28-201	0.33	0.65	0.215	1	0.215	0	0.19	36	12.9	6	6.9
119	04-29-201	0.18	0.65	0.117	1	0.117	0	0.19	36	12.9	6	6.9
120	04-30-201	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
121	05-01-201	0.23	0.65	0.15	1	0.15	0	0.19	36	12.9	6	6.9
122	05-02-201	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9
123	05-03-201	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
124	05-04-201	0.27	0.65	0.176	1	0.176	0	0.19	36	12.9	6	6.9
125	05-05-201	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
126	05-06-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
127	05-07-201	0.38	0.65	0.247	1	0.247	0.01	0.19	36	12.9	6	6.9
128	05-08-201	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
129	05-09-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
130	05-10-201	0.25	0.65	0.163	1	0.163	0.07	0.19	36	12.9	6	6.9
131	05-11-201	0.23	0.65	0.15	1	0.15	0.04	0.19	36	12.9	6	6.9
132	05-12-201	0.03	0.65	0.02	1	0.02	0.81	0.19	36	12.9	6	6.9
133	05-13-201	0.16	0.65	0.104	1	0.104	0	0	36	12.9	6	6.9
134	05-14-201	0.23	0.65	0.15	1	0.15	0.01	0	36	12.9	6	6.9

135	05-15-201	0.26	0.65	0.169	1	0.169	0.03	0.19	36	12.9	6	6.9
136	05-16-201	0.24	0.65	0.156	1	0.156	0.07	0.19	36	12.9	6	6.9
137	05-17-201	0.21	0.65	0.137	1	0.137	0	0.19	36	12.9	6	6.9
138	05-18-201	0.22	0.65	0.143	1	0.143	0	0.19	36	12.9	6	6.9
139	05-19-201	0.26	0.65	0.169	1	0.169	0.02	0.19	36	12.9	6	6.9
140	05-20-201	0.22	0.65	0.143	1	0.143	0.21	0.19	36	12.9	6	6.9
141	05-21-201	0.22	0.65	0.143	1	0.143	0.02	0.19	36	12.9	6	6.9
142	05-22-201	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9
143	05-23-201	0.23	0.65	0.15	1	0.15	0	0.19	36	12.9	6	6.9
144	05-24-201	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
145	05-25-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
146	05-26-201	0.26	0.65	0.169	1	0.169	0.01	0.19	36	12.9	6	6.9
147	05-27-201	0.27	0.65	0.176	1	0.176	0.06	0.19	36	12.9	6	6.9
148	05-28-201	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9
149	05-29-201	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
150	05-30-201	0.28	0.65	0.182	1	0.182	0	0.19	36	12.9	6	6.9
151	05-31-201	0.18	0.65	0.117	1	0.117	0.14	0.19	36	12.9	6	6.9
152	06-01-201	0.28	0.65	0.182	1	0.182	0	0.19	36	12.9	6	6.9
153	06-02-201	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
154	06-03-201	0.36	0.65	0.234	1	0.234	0	0.19	36	12.9	6	6.9
155	06-04-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
156	06-05-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
157	06-06-201	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
158	06-07-201	0.29	0.65	0.189	1	0.189	0	0.19	36	12.9	6	6.9
159	06-08-201	0.31	0.65	0.202	1	0.202	0	0.19	36	12.9	6	6.9
160	06-09-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
161	06-10-201	0.26	0.65	0.169	1	0.169	0	0.19	36	12.9	6	6.9
162	06-11-201	0.32	0.65	0.208	1	0.208	0	0.19	36	12.9	6	6.9
163	06-12-201	0.3	0.65	0.195	1	0.195	0	0.19	36	12.9	6	6.9
164	06-13-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
165	06-14-201	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
166	06-15-201	0.31	0.65	0.202	1	0.202	0.03	0.19	36	12.9	6	6.9
167	06-16-201	0.24	0.65	0.156	1	0.156	0	0.19	36	12.9	6	6.9
168	06-17-201	0.21	0.65	0.137	1	0.137	0	0.19	36	12.9	6	6.9

169	06-18-201	0.17	0.65	0.111	1	0.111	0	0.19	36	12.9	6	6.9
170	06-19-201	0.23	0.65	0.15	1	0.15	0	0.19	36	12.9	6	6.9
171	06-20-201	0.31	0.65	0.202	1	0.202	0.01	0.19	36	12.9	6	6.9
172	06-21-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
173	06-22-201	0.37	0.65	0.241	1	0.241	0	0.19	36	12.9	6	6.9
174	06-23-201	0.47	0.65	0.306	1	0.306	0	0.19	36	12.9	6	6.9
175	06-24-201	0.34	0.65	0.221	1	0.221	0.01	0.19	36	12.9	6	6.9
176	06-25-201	0.48	0.65	0.312	1	0.312	0	0.19	36	12.9	6	6.9
177	06-26-201	0.52	0.65	0.338	1	0.338	0	0.19	36	12.9	6	6.9
178	06-27-201	0.39	0.65	0.254	1	0.254	0	0.19	36	12.9	6	6.9
179	06-28-201	0.5	0.65	0.325	1	0.325	0	0.19	36	12.9	6	6.9
180	06-29-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
181	06-30-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
182	07-01-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
183	07-02-201	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
184	07-03-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9
185	07-04-201	0.46	0.65	0.299	1	0.299	0	0.19	36	12.9	6	6.9
186	07-05-201	0.56	0.65	0.364	1	0.364	0	0.19	36	12.9	6	6.9
187	07-06-201	0.53	0.65	0.345	1	0.345	0.01	0.19	36	12.9	6	6.9
188	07-07-201	0.38	0.65	0.247	1	0.247	0	0.19	36	12.9	6	6.9
189	07-08-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
190	07-09-201	0.35	0.65	0.228	1	0.228	0	0.19	36	12.9	6	6.9
191	07-10-201	0.55	0.65	0.358	1	0.358	0	0.19	36	12.9	6	6.9
192	07-11-201	0.52	0.65	0.338	1	0.338	0	0.19	36	12.9	6	6.9
193	07-12-201	0.53	0.65	0.345	1	0.345	0	0.19	36	12.9	6	6.9
194	07-13-201	0.45	0.65	0.293	1	0.293	0	0.19	36	12.9	6	6.9
195	07-14-201	0.51	0.65	0.332	1	0.332	0	0.19	36	12.9	6	6.9
196	07-15-201	0.54	0.65	0.351	1	0.351	0	0.19	36	12.9	6	6.9
197	07-16-201	0.4	0.65	0.26	1	0.26	0.01	0.19	36	12.9	6	6.9
198	07-17-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
199	07-18-201	0.5	0.65	0.325	1	0.325	0	0.19	36	12.9	6	6.9
200	07-19-201	0.5	0.65	0.325	1	0.325	0	0.19	36	12.9	6	6.9
201	07-20-201	0.44	0.65	0.286	1	0.286	0	0.19	36	12.9	6	6.9
202	07-21-201	0.43	0.65	0.28	1	0.28	0	0.19	36	12.9	6	6.9

203	07-22-201	0.62	0.65	0.403	1	0.403	0	0.19	36	12.9	6	6.9
204	07-23-201	0.34	0.65	0.221	1	0.221	0	0.19	36	12.9	6	6.9
205	07-24-201	0.4	0.65	0.26	1	0.26	0	0.19	36	12.9	6	6.9
206	07-25-201	0.51	0.65	0.332	1	0.332	0	0.19	36	12.9	6	6.9
207	07-26-201	0.41	0.65	0.267	1	0.267	0	0.19	36	12.9	6	6.9
208	07-27-201	0.34	0.65	0.221	0.949591	0.21	0	0.19	36	12.9	6	6.9
209	07-28-201	0.41	0.65	0.266	0.943195	0.251	0	0.19	36	12.9	6	6.9
210	07-29-201	0.42	0.65	0.273	0.923433	0.252	0	0.19	36	12.9	6	6.9
211	07-30-201	0.41	0.65	0.267	0.903434	0.241	0	0.19	36	12.9	6	6.9
212	07-31-201	0.37	0.65	0.24	0.887085	0.213	0	0.19	36	12.9	6	6.9
213	08-01-201	0.41	0.65	0.266	0.879566	0.234	0	0.19	36	12.9	6	6.9
214	08-02-201	0.43	0.65	0.28	0.865265	0.242	0	0.19	36	12.9	6	6.9
215	08-03-201	0.47	0.65	0.305	0.848569	0.259	0	0.19	36	12.9	6	6.9
216	08-04-201	0.41	0.65	0.266	0.82627	0.22	0	0.19	36	12.9	6	6.9
217	08-05-201	0.47	0.65	0.305	0.816544	0.249	0	0.19	36	12.9	6	6.9
218	08-06-201	0.35	0.65	0.227	0.797396	0.181	0	0.19	36	12.9	6	6.9
219	08-07-201	0.39	0.65	0.254	0.800163	0.203	0	0.19	36	12.9	6	6.9
220	08-08-201	0.38	0.65	0.247	0.796028	0.197	0	0.19	36	12.9	6	6.9
221	08-09-201	0.41	0.65	0.267	0.793896	0.212	0	0.19	36	12.9	6	6.9
222	08-10-201	0.46	0.65	0.299	0.786948	0.235	0	0.19	36	12.9	6	6.9
223	08-11-201	0.37	0.65	0.241	0.772359	0.186	0	0.19	36	12.9	6	6.9
224	08-12-201	0.53	0.65	0.345	0.773727	0.267	0	0.19	36	12.9	6	6.9
225	08-13-201	0.41	0.65	0.267	0.749074	0.2	0	0.19	36	12.9	6	6.9
226	08-14-201	0.41	0.65	0.267	0.745973	0.199	0	0.19	36	12.9	6	6.9
227	08-15-201	0.37	0.65	0.241	0.743138	0.179	0	0.19	36	12.9	6	6.9
228	08-16-201	0.31	0.65	0.201	0.74677	0.15	0	0.19	36	12.9	6	6.9
229	08-17-201	0.28	0.65	0.182	0.759499	0.138	0	0.19	36	12.9	6	6.9
230	08-18-201	0.37	0.65	0.241	0.776173	0.187	0	0.19	36	12.9	6	6.9
231	08-19-201	0.37	0.65	0.241	0.777245	0.187	0	0.19	36	12.9	6	6.9
232	08-20-201	0.36	0.65	0.234	0.778235	0.182	0	0.19	36	12.9	6	6.9
233	08-21-201	0.26	0.65	0.169	0.780777	0.132	0	0.19	36	12.9	6	6.9
234	08-22-201	0.24	0.65	0.156	0.799472	0.125	0	0.19	36	12.9	6	6.9
235	08-23-201	0.29	0.65	0.189	0.820497	0.155	0	0.19	36	12.9	6	6.9
236	08-24-201	0.36	0.65	0.234	0.831878	0.195	0	0.19	36	12.9	6	6.9

237	08-25-201	0.3	0.65	0.195	0.830377	0.162	0	0.19	36	12.9	6	6.9
238	08-26-201	0.31	0.65	0.201	0.839419	0.169	0	0.19	36	12.9	6	6.9
239	08-27-201	0.27	0.65	0.175	0.846137	0.148	0	0.19	36	12.9	6	6.9
240	08-28-201	0.21	0.65	0.136	0.859503	0.117	0	0.19	36	12.9	6	6.9
241	08-29-201	0.29	0.65	0.188	0.88291	0.166	0	0.19	36	12.9	6	6.9
242	08-30-201	0.36	0.65	0.234	0.890501	0.208	0	0.19	36	12.9	6	6.9
243	08-31-201	0.4	0.65	0.26	0.884583	0.23	0	0.19	36	12.9	6	6.9
244	09-01-201	0.4	0.65	0.26	0.871703	0.227	0	0.19	36	12.9	6	6.9
245	09-02-201	0.36	0.648	0.234	0.859902	0.201	0	0.19	36	12.9	6	6.9
246	09-03-201	0.36	0.646	0.232	0.856489	0.199	0	0.19	36	12.9	6	6.9
247	09-04-201	0.32	0.644	0.206	0.85353	0.176	0	0.19	36	12.9	6	6.9
248	09-05-201	0.29	0.642	0.186	0.858073	0.16	0	0.19	36	12.9	6	6.9
249	09-06-201	0.39	0.64	0.25	0.867813	0.217	0	0.19	36	12.9	6	6.9
250	09-07-201	0.32	0.638	0.204	0.859245	0.175	0	0.19	36	12.9	6	6.9
251	09-08-201	0.39	0.636	0.248	0.863939	0.214	0	0.19	36	12.9	6	6.9
252	09-09-201	0.28	0.634	0.178	0.856116	0.152	0	0.19	36	12.9	6	6.9
253	09-10-201	0.31	0.632	0.196	0.868361	0.17	0	0.19	36	12.9	6	6.9
254	09-11-201	0.34	0.63	0.214	0.874761	0.187	0	0.19	36	12.9	6	6.9
255	09-12-201	0.34	0.628	0.214	0.875607	0.187	0	0.19	36	12.9	6	6.9
256	09-13-201	0.19	0.626	0.119	0.876586	0.104	0	0.19	36	12.9	6	6.9
257	09-14-201	0.26	0.624	0.163	0.904199	0.147	0	0.19	36	12.9	6	6.9
258	09-15-201	0.26	0.622	0.161	0.918145	0.148	0	0.19	36	12.9	6	6.9
259	09-16-201	0.28	0.62	0.174	0.931516	0.162	0	0.19	36	12.9	6	6.9
260	09-17-201	0.26	0.618	0.161	0.940627	0.151	0	0.19	36	12.9	6	6.9
261	09-18-201	0.26	0.616	0.161	0.953142	0.153	0	0.19	36	12.9	6	6.9
262	09-19-201	0.35	0.614	0.214	0.96517	0.207	0	0.19	36	12.9	6	6.9
263	09-20-201	0.31	0.612	0.19	0.959561	0.182	0	0.19	36	12.9	6	6.9
264	09-21-201	0.26	0.61	0.159	0.962122	0.153	0	0.19	36	12.9	6	6.9
265	09-22-201	0.31	0.608	0.189	0.97417	0.184	0	0.19	36	12.9	6	6.9
266	09-23-201	0.31	0.606	0.187	0.976227	0.183	0	0.19	36	12.9	6	6.9
267	09-24-201	0.33	0.604	0.199	0.978355	0.195	0	0.19	36	12.9	6	6.9
268	09-25-201	0.19	0.602	0.115	0.976742	0.112	0	0.19	36	12.9	6	6.9
269	09-26-201	0.24	0.6	0.144	1	0.144	0	0.19	36	12.9	6	6.9
270	09-27-201	0.28	0.598	0.167	1	0.167	0	0.19	36	12.9	6	6.9

271	09-28-201	0.24	0.596	0.143	1	0.143	0	0.19	36	12.9	6	6.9
272	09-29-201	0.2	0.594	0.119	1	0.119	0	0.19	36	12.9	6	6.9
273	09-30-201	0.25	0.592	0.148	1	0.148	0	0.19	36	12.9	6	6.9
274	10-01-201	0.24	0.59	0.142	1	0.142	0	0.19	36	12.9	6	6.9
275	10-02-201	0.22	0.588	0.129	1	0.129	0	0.19	36	12.9	6	6.9
276	10-03-201	0.23	0.586	0.135	1	0.135	0	0.19	36	12.9	6	6.9
277	10-04-201	0.1	0.584	0.058	1	0.058	0.07	0.19	36	12.9	6	6.9
278	10-05-201	0.12	0.582	0.07	1	0.07	0.03	0.19	36	12.9	6	6.9
279	10-06-201	0.13	0.58	0.075	1	0.075	0.08	0.19	36	12.9	6	6.9
280	10-07-201	0.21	0.578	0.121	1	0.121	0	0.19	36	12.9	6	6.9
281	10-08-201	0.15	0.576	0.086	1	0.086	0	0.19	36	12.9	6	6.9
282	10-09-201	0.05	0.574	0.029	1	0.029	0.48	0	36	12.9	6	6.9
283	10-10-201	0.07	0.572	0.04	1	0.04	0	0	36	12.9	6	6.9
284	10-11-201	0.11	0.57	0.063	1	0.063	0	0	36	12.9	6	6.9
285	10-12-201	0.11	0.568	0.062	1	0.062	0	0	36	12.9	6	6.9
286	10-13-201	0.19	0.566	0.108	1	0.108	0	0	36	12.9	6	6.9
287	10-14-201	0.09	0.564	0.051	1	0.051	0	0	36	12.9	6	6.9
288	10-15-201	0.12	0.562	0.067	1	0.067	0	0	36	12.9	6	6.9
289	10-16-201	0.13	0.56	0.073	1	0.073	0	0	36	12.9	6	6.9
290	10-17-201	0.13	0.558	0.073	1	0.073	0	0	36	12.9	6	6.9
291	10-18-201	0.14	0.556	0.078	1	0.078	0	0	36	12.9	6	6.9
292	10-19-201	0.13	0.554	0.072	1	0.072	0	0	36	12.9	6	6.9
293	10-20-201	0.2	0.552	0.11	1	0.11	0	0	36	12.9	6	6.9
294	10-21-201	0.18	0.55	0.099	1	0.099	0	0	36	12.9	6	6.9
295	10-22-201	0.16	0.548	0.088	1	0.088	0	0	36	12.9	6	6.9
296	10-23-201	0.1	0.546	0.055	1	0.055	0	0	36	12.9	6	6.9
297	10-24-201	0.14	0.544	0.076	1	0.076	0	0	36	12.9	6	6.9
298	10-25-201	0.17	0.542	0.092	1	0.092	0	0	36	12.9	6	6.9
299	10-26-201	0.16	0.54	0.086	1	0.086	0	0	36	12.9	6	6.9
300	10-27-201	0.12	0.538	0.065	1	0.065	0	0	36	12.9	6	6.9
301	10-28-201	0.13	0.536	0.07	1	0.07	0	0	36	12.9	6	6.9
302	10-29-201	0.13	0.534	0.069	1	0.069	0	0	36	12.9	6	6.9
303	10-30-201	0.13	0.532	0.069	1	0.069	0	0	36	12.9	6	6.9
304	10-31-201	0.08	0.53	0.042	1	0.042	0	0	36	12.9	6	6.9

305	11-01-201	0.09	0.528	0.048	1	0.048	0	0	36	12.9	6	6.9
306	11-02-201	0.11	0.526	0.058	0.972189	0.056	0	0	36	12.9	6	6.9
307	11-03-201	0.14	0.524	0.073	0.954072	0.07	0	0	36	12.9	6	6.9
308	11-04-201	0.13	0.522	0.068	0.931531	0.063	0	0	36	12.9	6	6.9
309	11-05-201	0.13	0.52	0.068	0.911172	0.062	0	0	36	12.9	6	6.9
310	11-06-201	0.1	0.518	0.052	0.891335	0.046	0	0	36	12.9	6	6.9
311	11-07-201	0.08	0.516	0.041	0.876465	0.036	0	0	36	12.9	6	6.9
312	11-08-201	0.11	0.514	0.057	0.864813	0.049	0	0	36	12.9	6	6.9
313	11-09-201	0.08	0.512	0.041	0.849065	0.035	0	0	36	12.9	6	6.9
314	11-10-201	0.14	0.51	0.072	0.837864	0.06	0	0	36	12.9	6	6.9
315	11-11-201	0.14	0.508	0.071	0.818598	0.058	0	0	36	12.9	6	6.9
316	11-12-201	0.14	0.506	0.071	0.799848	0.057	0	0	36	12.9	6	6.9
317	11-13-201	0.14	0.504	0.07	0.781599	0.055	0	0	36	12.9	6	6.9
318	11-14-201	0.14	0.502	0.071	0.763838	0.054	0	0	36	12.9	6	6.9

Water Stor Current Wz Modeled A Root Zone Deep Percc Volumetric Measured , Modified F Forage Cutting Flag

6.07	8.6	100	0	0	35.8	No	No
6.13898	8.69773	100	0	0.2975	35.8	No	No
6.20795	8.79545	100	0	0.1925	35.8	No	No
6.27693	8.86818	99.4744	0.025	0	35.7	No	No
6.34591	8.96091	99.3762	0.03	0	35.7	No	No
6.41489	9.03364	98.8686	0.055	0	35.6	No	No
6.48386	9.11386	98.5245	0.0725	0	35.6	No	No
6.55284	9.28409	100	0	0.0775	35.8	No	No
6.62182	9.35682	99.5018	0.025	0	35.7	No	No
6.6908	9.41455	98.7181	0.065	0	35.6	No	No
6.75977	9.57727	100	0	0.0575	35.8	No	No
6.82875	9.6375	99.2754	0.0375	0	35.7	No	No
6.89773	9.69023	98.4217	0.0825	0	35.5	No	No
6.9667	9.73295	97.3956	0.1375	0	35.3	No	No
7.03568	9.77547	96.3857	0.19271	0	35.1	No	No
7.10466	9.81804	95.3962	0.247871	0	35	No	No
7.17364	9.85802	94.3784	0.305613	0	34.8	No	No
7.24261	9.91352	93.6626	0.347839	0	34.6	No	No
7.31159	10.1209	95.7018	0.238161	0	35	No	No
7.38057	10.1895	95.2214	0.267274	0	34.9	No	No
7.44955	10.2294	94.2409	0.325129	0	34.7	No	No
7.51852	10.2883	93.6118	0.363984	0	34.6	No	No
7.5875	10.5331	96.2272	0.216935	0	35.1	No	No
7.65648	10.6626	96.8088	0.185161	0	35.2	No	No
7.72545	10.7037	95.87	0.24179	0	35	No	No
7.79443	10.7622	95.243	0.280986	0	34.9	No	No
7.86341	10.8126	94.4914	0.328263	0	34.8	No	No

7.93239	10.8605	93.7097	0.378133	0	34.6	No	No
8.00136	10.9026	92.8463	0.433775	0	34.5	No	No
8.07034	10.9393	91.9094	0.494814	0	34.3	No	No
8.13932	10.9738	90.9536	0.557998	0	34.1	No	No
8.2083	11.0106	90.0495	0.618967	0	33.9	No	No
8.27727	11.0457	89.1344	0.681567	0	33.8	No	No
8.34625	11.0571	87.8587	0.767938	0	33.5	No	No
8.41523	11.0393	86.1479	0.883389	0	33.2	No	No
8.4842	11.0196	84.4337	1.00084	0	32.8	No	No
8.55318	10.915	81.4381	1.20315	0	32.3	No	No
8.62216	10.8505	79.1026	1.36545	0	31.8	No	No
8.69114	10.805	77.0951	1.5086	0	31.4	No	No
8.76011	10.7154	74.4533	1.69595	0	30.9	No	No
8.82909	10.6516	72.2382	1.85752	0	30.5	No	No
8.89807	10.7437	72.3701	1.86313	0	30.5	No	No
8.96705	10.8067	72.0719	1.89784	0	30.5	No	No
9.03602	10.7823	70.5009	2.02002	0	30.2	No	No
9.105	10.8555	70.3693	2.04452	0	30.2	No	No
9.105	10.9285	71.4273	1.97152	0	30.4	No	No
9.105	10.943	71.6374	1.95702	0	30.4	No	No
9.105	10.9835	72.2244	1.91652	0	30.5	No	No
9.105	11.0175	72.7171	1.88252	0	30.6	No	No
9.105	11.019	72.7389	1.88102	0	30.6	No	No
9.105	11.0335	72.949	1.86652	0	30.6	No	No
9.105	11.0545	73.2534	1.84552	0	30.7	No	No
9.105	10.991	72.3331	1.90902	0	30.5	No	No
9.105	10.944	71.6519	1.95602	0	30.4	No	No
9.105	10.939	71.5794	1.96102	0	30.4	No	No
9.105	10.921	71.3186	1.97902	0	30.3	No	No
9.105	11.0185	72.7316	1.88152	0	30.6	No	No
9.105	11.099	73.8983	1.80102	0	30.8	No	No
9.105	12.0795	88.1084	0.820518	0	33.6	No	No
9.105	11.9755	86.6012	0.924519	0	33.3	No	No
9.105	11.836	84.5794	1.06402	0	32.9	No	No

9.105	11.887	85.3186	1.01302	0	33	No	No
9.105	11.991	86.8258	0.909019	0	33.3	No	No
9.105	12.0445	87.6012	0.855519	0	33.5	No	No
9.105	12.0915	88.2823	0.808519	0	33.6	No	No
9.105	12.1325	88.8765	0.767519	0	33.7	No	No
9.105	12.3895	92.6012	0.510518	0	34.4	No	No
9.105	12.4565	93.5722	0.443519	0	34.6	No	No
9.105	12.4905	94.0649	0.409519	0	34.7	No	No
9.105	12.531	94.6519	0.369019	0	34.8	No	No
9.105	12.552	94.9563	0.348018	0	34.9	No	No
9.105	12.534	94.6954	0.366019	0	34.8	No	No
9.105	12.565	95.1447	0.335019	0	34.9	No	No
9.105	12.6395	96.2244	0.260519	0	35.1	No	No
9.105	12.6735	96.7171	0.226519	0	35.2	No	No
9.105	12.6295	96.0794	0.270519	0	35.1	No	No
9.105	12.6375	96.1954	0.262519	0	35.1	No	No
9.105	12.8505	99.2823	0.049519	0	35.7	No	No
9.105	12.8585	99.3983	0.041519	0	35.7	No	No
9.105	12.86	99.42	0.040019	0	35.7	No	No
9.105	12.816	98.7823	0.084019	0	35.6	No	No
9.105	12.7785	98.2389	0.121519	0	35.5	No	No
9.105	12.702	97.1302	0.198019	0	35.3	No	No
9.105	12.7035	97.1519	0.196519	0	35.3	No	No
9.105	12.705	97.1736	0.195019	0	35.3	No	No
9.105	12.6935	97.007	0.206519	0	35.3	No	No
9.105	12.6235	95.9925	0.276519	0	35.1	No	No
9.105	12.6445	96.2968	0.255519	0	35.1	No	No
9.105	12.6265	96.036	0.273519	0	35.1	No	No
9.105	12.6215	95.9635	0.278518	0	35.1	No	No
9.105	12.5515	94.949	0.348519	0	34.9	No	No
9.105	12.4295	93.1809	0.470518	0	34.5	No	No
9.105	12.448	93.449	0.452018	0	34.6	No	No
9.105	12.482	93.9418	0.418019	0	34.7	No	No
9.105	12.5355	94.7171	0.364519	0	34.8	No	No

9.105	12.615	95.8693	0.285019	0	35	No	No
9.105	12.6555	96.4563	0.244519	0	35.2	No	No
9.105	12.654	96.4345	0.246019	0	35.2	No	No
9.105	12.5775	95.3258	0.322518	0	34.9	No	No
9.105	12.527	94.5939	0.373019	0	34.8	No	No
9.105	12.4115	92.92	0.488519	0	34.5	No	No
9.105	12.3905	92.6157	0.509519	0	34.4	No	No
9.105	12.2685	90.8476	0.631518	0	34.1	No	No
9.105	12.1205	88.7026	0.779518	0	33.7	No	No
9.105	12.057	87.7823	0.843019	0	33.5	No	No
9.105	11.922	85.8258	0.978019	0	33.1	No	No
9.105	11.8325	84.5287	1.06752	0	32.9	No	No
9.105	11.7625	83.5142	1.13752	0	32.7	No	No
9.105	11.6925	82.4997	1.20752	0	32.5	No	No
9.105	11.5835	80.92	1.31652	0	32.2	No	No
9.105	11.494	79.6229	1.40602	0	31.9	No	No
9.105	11.385	78.0432	1.51502	0	31.6	No	No
9.105	11.211	75.5215	1.68902	0	31.1	No	No
9.105	11.0665	73.4273	1.83352	0	30.7	No	No
9.105	11.0095	72.6012	1.89052	0	30.6	No	No
9.105	10.9785	72.1519	1.92152	0	30.5	No	No
9.105	10.941	71.6084	1.95902	0	30.4	No	No
9.105	10.7735	69.1809	2.12652	0	29.9	No	No
9.105	10.6255	67.036	2.27452	0	29.5	No	No
9.105	10.471	64.7968	2.42902	0	29.1	No	No
9.105	10.3685	63.3113	2.53152	0	28.8	No	No
9.105	10.227	61.2606	2.67302	0	28.4	No	No
9.105	10.066	58.9273	2.83402	0	28	No	No
9.105	10.006	58.0577	2.89402	0	27.8	No	No
9.105	9.93598	57.0432	2.96402	0	27.6	No	No
9.105	9.80098	55.0867	3.09902	0	27.2	No	No
9.105	9.66598	53.1302	3.23402	0	26.8	No	No
9.105	9.56998	51.7389	3.33002	0	26.6	No	No
9.105	9.48048	50.4418	3.41952	0	26.3	No	No

9.105	9.26748	47.3548	3.63252	0	25.7	No	No
9.105	9.23648	46.9055	3.66352	0	25.7	No	No
9.105	9.16648	45.891	3.73352	0	25.5	No	No
9.105	9.02498	43.8403	3.87502	0	25.1	No	No
9.105	8.94848	42.7316	3.95152	0	24.9	No	No
9.105	8.92862	42.4438	3.97138	0	24.8	No	No
9.105	8.86726	41.5545	4.03274	0	24.6	No	No
9.105	8.80516	40.6545	4.09484	0	24.5	No	No
9.105	8.7544	39.9188	4.1456	0	24.3	No	No
9.105	8.73105	39.5805	4.16895	0	24.3	No	No
9.105	8.68665	38.9369	4.21335	0	24.1	No	No
9.105	8.63481	38.1856	4.26519	0	24	No	No
9.105	8.56557	37.1822	4.33443	0	23.8	No	No
9.105	8.53537	36.7445	4.36463	0	23.7	No	No
9.105	8.47591	35.8828	4.42409	0	23.5	No	No
9.105	8.48451	36.0073	4.41549	0	23.6	No	No
9.105	8.47167	35.8212	4.42833	0	23.5	No	No
9.105	8.46505	35.7253	4.43495	0	23.5	No	No
9.105	8.44347	35.4127	4.45653	0	23.5	No	No
9.105	8.39818	34.7562	4.50182	0	23.3	No	No
9.105	8.40242	34.8177	4.49758	0	23.3	No	No
9.105	8.32587	33.7083	4.57413	0	23.1	No	No
9.105	8.31625	33.5688	4.58375	0	23.1	No	No
9.105	8.30744	33.4412	4.59256	0	23.1	No	No
9.105	8.31872	33.6046	4.58128	0	23.1	No	No
9.105	8.35825	34.1775	4.54175	0	23.2	No	No
9.105	8.41002	34.9278	4.48998	0	23.4	No	No
9.105	8.41335	34.976	4.48665	0	23.4	No	No
9.105	8.41642	35.0206	4.48358	0	23.4	No	No
9.105	8.42431	35.135	4.47569	0	23.4	No	No
9.105	8.48236	35.9762	4.41764	0	23.6	No	No
9.105	8.54764	36.9224	4.35236	0	23.7	No	No
9.105	8.58298	37.4345	4.31702	0	23.8	No	No
9.105	8.57832	37.367	4.32168	0	23.8	No	No

9.105	8.6064	37.7739	4.2936	0	23.9	No	No
9.105	8.62725	38.0761	4.27275	0	24	No	No
9.105	8.66876	38.6776	4.23124	0	24.1	No	No
9.105	8.74144	39.7309	4.15857	0	24.3	No	No
9.105	8.76501	40.0726	4.13499	0	24.3	No	No
9.105	8.74663	39.8062	4.15337	0	24.3	No	No
9.105	8.70664	39.2266	4.19336	0	24.2	No	No
9.105	8.67	38.6956	4.23001	0	24.1	No	No
9.105	8.6594	38.542	4.2406	0	24.1	No	No
9.105	8.65021	38.4089	4.24979	0	24	No	No
9.105	8.66432	38.6133	4.23568	0	24.1	No	No
9.105	8.69456	39.0516	4.20544	0	24.2	No	No
9.105	8.66795	38.666	4.23205	0	24.1	No	No
9.105	8.68253	38.8773	4.21747	0	24.1	No	No
9.105	8.65824	38.5252	4.24176	0	24.1	No	No
9.105	8.69626	39.0763	4.20374	0	24.2	No	No
9.105	8.71613	39.3642	4.18387	0	24.2	No	No
9.105	8.71876	39.4023	4.18124	0	24.2	No	No
9.105	8.7218	39.4464	4.1782	0	24.2	No	No
9.105	8.80754	40.689	4.09246	0	24.5	No	No
9.105	8.85084	41.3165	4.04916	0	24.6	No	No
9.105	8.89236	41.9182	4.00764	0	24.7	No	No
9.105	8.92065	42.3282	3.97935	0	24.8	No	No
9.105	8.95951	42.8914	3.94049	0	24.9	No	No
9.105	8.99685	43.4326	3.90315	0	25	No	No
9.105	8.97944	43.1802	3.92056	0	24.9	No	No
9.105	8.98739	43.2955	3.91261	0	25	No	No
9.105	9.0248	43.8376	3.8752	0	25.1	No	No
9.105	9.03119	43.9302	3.86882	0	25.1	No	No
9.105	9.03779	44.026	3.86221	0	25.1	No	No
9.105	9.03279	43.9534	3.86721	0	25.1	No	No
9.105	9.11107	45.0879	3.78893	0	25.3	No	No
9.105	9.15707	45.7546	3.74293	0	25.4	No	No
9.105	9.17963	46.0815	3.72037	0	25.5	No	No

9.105	9.22659	46.7621	3.67341	0	25.6	No	No
9.105	9.29779	47.794	3.60221	0	25.8	No	No
9.105	9.33979	48.4027	3.56021	0	25.9	No	No
9.105	9.38819	49.1041	3.51181	0	26.1	No	No
9.105	9.44883	49.983	3.45117	0	26.2	No	No
9.105	9.50405	50.7833	3.39595	0	26.4	No	No
9.105	9.70565	53.705	3.19435	0	27	No	No
9.105	9.85581	55.8812	3.04419	0	27.4	No	No
9.105	10.0504	58.7015	2.84959	0	27.9	No	No
9.105	10.119	59.696	2.78097	0	28.1	No	No
9.105	10.2226	61.1975	2.67737	0	28.4	No	No
9.105	10.6739	67.7381	2.22607	0	29.6	No	No
9.105	10.6339	67.1578	2.26611	0	29.5	No	No
9.105	10.5712	66.2491	2.32881	0	29.4	No	No
9.105	10.5087	65.3436	2.39129	0	29.2	No	No
9.105	10.4012	63.785	2.49883	0	28.9	No	No
9.105	10.3504	63.0494	2.54959	0	28.8	No	No
9.105	10.283	62.072	2.61703	0	28.6	No	No
9.105	10.2102	61.0169	2.68983	0	28.4	No	No
9.105	10.1376	59.9656	2.76237	0	28.2	No	No
9.105	10.0598	58.8375	2.84021	0	27.9	No	No
9.105	9.98777	57.7937	2.91223	0	27.7	No	No
9.105	9.87737	56.1937	3.02263	0	27.4	No	No
9.105	9.77837	54.7589	3.12163	0	27.2	No	No
9.105	9.69069	53.4882	3.20931	0	26.9	No	No
9.105	9.63609	52.6969	3.26391	0	26.8	No	No
9.105	9.55993	51.5931	3.34007	0	26.6	No	No
9.105	9.46779	50.2578	3.43221	0	26.3	No	No
9.105	9.38139	49.0056	3.51861	0	26.1	No	No
9.105	9.31683	48.0699	3.58317	0	25.9	No	No
9.105	9.24715	47.0601	3.65285	0	25.7	No	No
9.105	9.17773	46.054	3.72227	0	25.5	No	No
9.105	9.10857	45.0517	3.79143	0	25.3	No	No
9.105	9.06617	44.4372	3.83383	0	25.2	No	No

9.105	9.01865	43.7485	3.88135	0	25.1	No	No
9.105	8.96239	42.9333	3.93761	0	24.9	No	No
9.105	8.8924	41.9189	4.0076	0	24.7	No	No
9.105	8.82919	41.0028	4.07081	0	24.5	No	No
9.105	8.7676	40.1101	4.13241	0	24.4	No	No
9.105	8.72142	39.4409	4.17858	0	24.2	No	No
9.105	8.68524	38.9166	4.21476	0	24.1	No	No
9.105	8.63635	38.2079	4.26365	0	24	No	No
9.105	8.60157	37.7039	4.29843	0	23.9	No	No
9.105	8.54175	36.8369	4.35825	0	23.7	No	No
9.105	8.48353	35.9931	4.41647	0	23.6	No	No
9.105	8.42687	35.172	4.47313	0	23.4	No	No
9.105	8.37172	34.3727	4.52828	0	23.3	No	No
9.105	8.31803	33.5947	4.58197	0	23.1	No	No

No. W 152318		Due no later than Jun 30, 2018 Annual Report Form		2. Registered Agent and Address (NO PO BOX)	
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 NO FILING FEE IF RECEIVED BY DUE DATE		1. Mailing Address: Correct in this box if needed. HIGH PLAINS LAND AND LIVESTOCK, LLC TIMOTHY J. STOVER PO BOX 1428 TWIN FALLS ID 83303		TIMOTHY J STOVER 905 SHOSHONE ST N TWIN FALLS ID 83301	
				3. <u>New</u> Registered Agent Signature:*	
4. Limited Liability Companies: Enter Names and Addresses of at least one Member or Manager.					
Office Held	Name	Street or PO Address	City	State	Country Postal Code
MEMBER	GANDOLFO FAMILY TURST	1268 HIGHLAND RD	SANTA INEZ	CA	USA 93460
MEMBER	DAVID CHARLES GANDOLFO	P.O. BOX 780	CASTLEFORD	ID	USA 83321
5. Organized Under the Laws of: ID W 152318		6. Annual Report must be signed.* Signature: Timothy J. Stover Name (type or print): Timothy J. Stover Date: 04/30/2018 Title: Registered Agent			
Processed 04/30/2018		* Electronically provided signatures are accepted as original signatures.			

TRANSFER 83182

STATE OF IDAHO DEPARTMENT OF
WATER RESOURCES

RECEIVED
MAY 24 2019
DEPT OF WATER RESOURCES
SOUTHERN REGION

**Notice of Security Interest in a Water Right
and a request to be notified of a change in ownership or any proposed or final
action to amend, transfer, or otherwise modify the water right(s)**

Attach pages with additional information. Incomplete forms will be
returned.

1. Water Right/Claim No.	Water Right/Claim No.	Water Right/Claim No.	Water Right/Claim No.
47-2382	51-7373		
47-17504	51-7374		
47-17505	51-13051		
47-17506	51-13053		
47-17507			

2. The following **REQUIRED** information must be submitted with this form:

A) Evidence of the security interest. This may be a copy of a **DEED of TRUST, MORTGAGE, CONTRACT OF SALE** or other legal document indicating your interest in the property and water rights or claims in question, **WITH ATTACHED LEGAL DESCRIPTION**.

B) A **FEE** of **\$25.00** per water right or adjudication claim.

3. Name and Mailing Address of Person or Company Holding Security Interest

Brighthouse Life Insurance Company c/o MetLife
Investment Advisors, LLC
10801 Mastin Blvd., Suite 930
Overland Park, KS 66210

Phone _____

Email _____

4. Name of Water Right Owner/Claimant(s) High Plains Land and Livestock, LLC

5. Expiration Date of Notification Period October 15, 2028

6. Is this a Renewal of Request for Notification? ☐ YES ☒ NO

SUPPORT DATA
IN FILE # 47-2382

7. Signature(s) of Security Interest Holder(s) BRIGHTHOUSE LIFE INSURANCE COMPANY,
a Delaware corporation
By: MetLife Investments Advisors, LLC, its investment manager

By: Thomas J. Byrnes

Name: THOMAS L BYRNES

Title: DIRECTOR

For Office Use Only

Received by DM Date 5.24.2019 Receipt No. S037345 Fee \$225-
Processed by _____ Date _____ WR DM Date 5-30-2019

McFinney Agri-Finance, LLC

RECEIVED
MAR 13 2019
DEPT OF WATER RESOURCES
SOUTHERN REGION

March 5, 2019

High Plains Land and Livestock, LLC
PO Box 1428
Twin Falls, ID 83303

RE: McFinney Agri-Finance, LLC ("McFinney") Loan #778342400-High Plains Land & Livestock, LLC, an Idaho limited liability company (the "Borrower").

McFinney Agri-Finance, LLC ("McFinney") Loan #7802798300 – High Plains Land & Livestock, LLC, an Idaho limited liability company (the "Borrower").

Dear High Plains Land and Livestock, LLC;

McFinney holds a security interest in certain water rights numbers (the "Water Rights") in Twin Falls county, Idaho in connection with the above referenced loans. You have requested that McFinney consent to the transfer and/or change of points of diversion, place of use, nature of use and period of use for certain Water Rights as described in the State of Idaho Department of Water Resources Application for Transfer of Water Right ("Application").

This letter serves as written acknowledgment and consent to the transfer and/or change of points of diversion, place of use, nature of use and period of use of Water Rights as identified in the Application to be filed by the Borrower for each of the Water Rights listed therein and as follows:

Water Rights: 47-2382, 47-17506 and 47-17507

(Acknowledgment and Notary Signature on next page)

Physical Address:
409 Shoshone Street South, Suite 25
Twin Falls, Idaho 83301

Mailing Address:
PO Box 1598
Twin Falls, Idaho 83303-1598

208.734.6622 Telephone – 208.734.0745 Fax

TRANSFER 83182

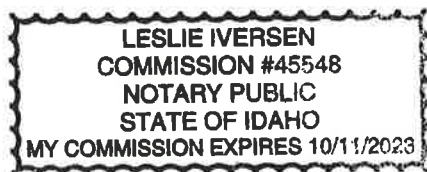
RECEIVED
MAR 13 2019
DEPT. OF WATER RESOURCES
SOUTHERN REGION

McFinney Agri-Finance, LLC

By: Hiram Finney
Hiram Finney, Member

STATE OF IDAHO)
)ss,
COUNTY OF TWIN FALLS)

On this 5th day of March, in the year 2019, before me, a notary public for the State of Idaho, personally appeared **Hiram Finney**, known or identified to me to be the person listed above and an authorized Member of **McFinney Agri-Finance, LLC**, and acknowledged to me on this day under oath, that, being informed of the contents of this Agreement, he/she executed the same on behalf of such entity as his free and voluntary act and deed.



Leslie Iversen
Notary Public for the State of Idaho
Residing in Filer, ID
My Commission Expires 10/11, 2023



State of Idaho

DEPARTMENT OF WATER RESOURCES

SOUTHERN REGION • 650 ADDISON AVE W STE 500 • TWIN FALLS ID 83301-5858

Phone: (208) 736-3033 • Fax: (208) 736-3037

Website: www.idwr.idaho.gov • Email: southerninfo@idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

May 30, 2019

HIGH PLAINS LAND & LIVESTOCK LLC
PO BOX 1428
TWIN FALLS, ID 83303-1428

RE: Transfer No. 83182
Water Right No(s). 47-17506, 47-17507, 47-2382

RE: Transfer No. 83184
Water Right No(s): 47-17506, 47-17507, 47-2382

Dear Applicant(s):

The Department of Water Resources has received your water right transfer application. Please refer to the transfer number referenced above in all future correspondence regarding this transfer.

A legal notice of the application has been prepared and is scheduled for publication in the **TIMES NEWS on 6/6/2019 and 6/13/2019**. Protests to this application may be submitted for a period ending ten (10) days after the second publication. Any protest against this application must be filed with the Department of Water Resources, together with a protest fee of \$25.00 for each application, on or before **June 24, 2019**.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the approval document.

Please contact this office if you have any questions regarding the application.

Sincerely,

Denise Maline
Administrative Assistant

c: Gary Funderburg, TSK Enterprises
Mc Finney Agri-Finance
Brighthouse Life Insurance Co.

Maline, Denise

From: Maline, Denise
Sent: Thursday, May 30, 2019 9:40 AM
To: Times News
Subject: LEGAL NOTICE
Attachments: Times News ad.doc; Times News cover letter.docx

Attached please find **(1)** legal notice being submitted for publication on June 6th & 13th, 2019. Please let me know if there are any questions or if you are not able to run the ad on the dates requested.

Thank you in advance,

Denise @ IDWR Twin Falls

Denise Maline
Administrative Assistant I
Idaho Dept of Water Resources, Southern Region
650 Addison Ave W, Ste 500
Twin Falls, ID 83301
(208) 736-3033
denise.maline@idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

SOUTHERN REGION • 650 ADDISON AVE W STE 500 • TWIN FALLS ID 83301-5858

Phone: (208) 736-3033 • Fax: (208) 736-3037

Website: www.idwr.idaho.gov • Email: southerninfo@idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

May 30, 2019

LEGAL NOTICE DEPARTMENT

TIMES NEWS

PO BOX 548

TWIN FALLS, ID 83303-0548

RE: Transfer No. 83182
Water Right No(s): 47-17506, 47-17507, 47-2382

RE: Transfer No. 83184
Water Right No(s): 47-17506, 47-17507, 47-2382

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before June 24, 2019. Your cooperation is appreciated.

Sincerely,

Denise Maline
Administrative Assistant

Enclosure(s)

**NOTICE OF PROPOSED CHANGE OF WATER RIGHT
TRANSFER NO. 83182**

HIGH PLAINS LAND & LIVESTOCK LLC, PO BOX 1428, TWIN FALLS, ID 83303-1428; has filed Application No. 83182 for changes to the following water rights within TWIN FALLS County(s): Right No(s). 47-17506, 47-17507, 47-2382. The purpose of the transfer is to change a portion of the above rights as follows: Application for transfer proposes to change the nature of use, place of use (POU), points of diversion (POD), and period of use for a 0.06 cfs, 10.0 acre portion of irrigation water rights 47-2382, 47-17506, and 47-17507 which currently irrigate land located approximately 3.0 miles north and 10.9 miles west of the intersection of Main Street and Broadway Avenue in Buhl. The application proposes to change the nature of use and POU of these rights from irrigation during the irrigation season to year-round stockwater use at a CAFO located immediately adjacent to the currently irrigated land. The transfer proposes changing the POD for the converted portion from the currently authorized irrigation well to an existing well associated with the CAFO facility.

**NOTICE OF PROPOSED CHANGE OF WATER RIGHT
TRANSFER NO. 83184**

HIGH PLAINS LAND & LIVESTOCK LLC, PO BOX 1428, TWIN FALLS, ID 83303-1428; has filed Application No. 83184 for changes to the following water rights within TWIN FALLS County(s): Right No(s). 47-17506, 47-17507, 47-2382. The purpose of the transfer is to change a portion of the above rights as follows: Application for transfer proposes to change the nature of use, place of use (POU), points of diversion (POD), and period of use for a 0.06 cfs, 10.1 acre portion of irrigation water rights 47-2382, 47-17506, and 47-17507 which currently irrigate land located approximately 3.0 miles north and 10.9 miles west of the intersection of Main Street and Broadway Avenue in Buhl. The application proposes to change the nature of use and POU of these rights from irrigation during the irrigation season to year-round stockwater and commercial use at a CAFO located approximately 1.2 miles south and 12.0 miles west of Buhl. The transfer proposes changing the POD for the converted portion from the currently authorized irrigation well to two existing wells associated with the CAFO facility.

For additional information concerning the property location, contact Southern Region office at (208) 736-3033; or to see a full description of these rights and/or the proposed transfers, please see research.idwr.idaho.gov/apps/waterrights/QueryNewTransfers. Protests may be submitted based on the criteria of Idaho Code Sec. 42-222. Any protest against the proposed change must be filed with the Department of Water Resources, Southern Region, 650 ADDISON AVE W, STE 500, TWIN FALLS, ID 83301-5858 together with a protest fee of \$25.00 for each application on or before **June 24, 2019**. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director
Published on June 6th & 13th, 2019

TRANSFER SYNOPSIS

Date: May 9, 2019
To: Transfer #83182, High Plains Land & Livestock, LLC file
From: Jim Bitzenburg
Re: Summary of transfer

Application for transfer proposes to change the nature of use, place of use (POU), points of diversion (POD), and period of use for a 0.06 cfs, 10.0 acre portion of irrigation water rights 47-2382, 47-17506, and 47-17507 which currently irrigate land located approximately 3.0 miles north and 10.9 miles west of the intersection of Main Street and Broadway Avenue in Buhl. The application proposes to change the nature of use and POU of these rights from irrigation during the irrigation season to year-round stockwater use at a CAFO located immediately adjacent to the currently irrigated land. The transfer proposes changing the POD for the converted portion from the currently authorized irrigation well to an existing well associated with the CAFO facility.

Because the transfer proposes changing the nature of use, period of use, place of use, and points of diversion within the Blue Gulch Critical Ground Water Area, the transfer will be advertised.

The existing rights at the CAFO are 47-17505 (0.13 cfs, stockwater) and 47-17504 (0.13 cfs, stockwater).

The amount of water moving into the CAFO is 33.0 AF. In converting from irrigation to stockwater use, a consumptive use value is used instead of the 3.49 AF/acre available under the combined volume limit for the three rights (this value is less than the standard field headgate requirement of 4.0 in the area). In this case, it is derived from interpolating the evapotranspiration estimates between the Castleford and Hagerman National Weather Service sites and is based on Grass Pasture, high management, which is the crop that has been grown on the dry-up acres (FSA-578 form and maps included with application), and that value is 3.3 acre-feet/acre. The applicant proposes drying up 10.0 acres, so the volume removed from irrigation, 34.9 AF, will yield a volume moved to the CAFO of 33.0 AF.

FEE MEMORANDUM

Date: April 30, 2019
To: High Plains Land & Livestock, LLC Transfer #1, 83182 File
From: Jim Bitzenburg
Re: Receipting/disposition of fees paid

This transfer was filed on January 25, 2019. A letter was sent to the applicant requesting additional information; the additional information was not submitted until April 11, 2019.

The application seeks to change the nature of use, place of use, season of use, and points of diversion for a 0.06 cfs (10.0 acre) portion of three ground water irrigation rights. The fee is based upon the flow rate of the portion being transferred, which is 0.06 cfs, or \$200.00. Since a change in nature of use is proposed, an additional \$250.00 is added to the fee for a total fee of \$450.00, which was paid with check #3275 from TSK Enterprises, the representative. The receipt number is S037130.

Bitzenburg, James

From: Jason Helms <jasoncivil@alumni.nd.edu>
Sent: Thursday, April 11, 2019 1:17 PM
To: Bitzenburg, James
Cc: Gary Funderburg
Subject: High Plains Transfers Consumptive Water Use report
Attachments: hpd-ist-simulations.zip; HPD_letter_report_2019-0410_final.pdf;
HPD_letter_report_Appendix_2019-0410.pdf

Hi Jim,

Please find attached the completed report with appendix and data files from the simulation. Look it over and let me know if you have any questions or concerns.

Thanks,

Jason C. Helms, P.E.

JCH Engineering & Consulting, PLLC
(208) 308-2109



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region • 650 Addison Ave W, Suite 500 • Twin Falls ID 83301-5858

Phone: (208) 736-3033 • Fax: (208) 736-3037

Website: idwr.idaho.gov • Email: southerninfo@idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

February 6, 2019

HIGH PLAINS LAND & LIVESTOCK LLC
PO BOX 1428
TWIN FALLS ID 83303

RE: Applications for transfer for water rights 47-2382, 47-17506, and 47-17507

Dear Applicant:

On January 25, 2019 our office received two Applications for Transfer of Water Right involving water rights 47-2382, 47-17506, and 47-17507 which proposed changing the points of diversion, place of use, nature of use, and period of use for a portion of the three rights. After a review of the applications, there are some items that need to be addressed before we can process the applications.

- On page 4 of both applications, under #5, General Information, question (c.) asks if there are any liens, mortgages, etc. on the lands from which the water is proposed to be transferred. The answer provided indicates that there are, but neither the name of the entity or the type of lien is given, and the required notarized statement from said entity was not included with the transfer applications. A review of the water right records in our database indicates that McFinney Agri-Finance, LLC, of Twin Falls, Idaho holds a security interest in the three rights, therefore, we will need a notarized statement from them agreeing to the proposed transfer, and from any other lien or mortgage holders with an interest in the rights. See Transfer Processing Memo #24, section 5a (8), page 21 for reference.
- Additionally, in reviewing the consumptive use calculations included with the applications, there appears to be a possible issue of enlargement which will need to be addressed. The three rights have a combined volume limitation of 3.49 acre-feet per acre which is less than the normally allowed 4.0 acre-feet per acre in that area. By observing aerial imagery and Google Earth photos, it appears that wheel lines are used to irrigate the ground from which the water is to be transferred. I referenced two University of Idaho publications on irrigation, *Irrigation Systems for Idaho Agriculture* and *Irrigation Scheduling Using Water-use Tables* to determine the efficiency of wheel line irrigation systems. These studies indicate that the efficiency of wheel line irrigation systems ranges from 60-75%. Assuming the higher figure of 75% and applying that efficiency factor to the 3.49 acre-feet per acre diversion volume allowance would result in an amount of 2.62 acre-feet per acre applied to the crop(s). Note that this is significantly lower than the 3.3 acre-feet per acre

proposed by the two transfers. This 2.62 acre-foot allowance would result in Transfer # 1 (feedlot) being potentially approved for 26.2 acre-feet per year and Transfer # 2 (dairy) being potentially approved for 26.5 acre-feet per year. It is possible that these lower figures would be sufficient for the intended purposes at each facility, but, if not, it may be necessary to remove more acres from irrigation or adjust the amounts between the two transfers. For reference, see Transfer Processing Memo #24, section 5d (5), page 30.

Processing of the applications will not proceed until we receive the requested consent letters and clarification/correction of the consumptive use calculations. Please supply the above requested information within 30 days of the date of this letter, or I will return your Applications for Transfer and initiate a refund of the filing fee with the State IDWR office. If you have any questions, feel free to contact me by phone at the number above, or you can email me at: james.bitzenburg@idwr.idaho.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Bitzenburg", with a stylized flourish at the end.

Jim Bitzenburg
Water Resource Agent

CC: TSK Enterprises

January 5, 2019

Idaho Department Of Water Resources
650 Addison Ave. W. Suite 500
Twin Falls, Idaho 83301-5858

Gary L. Funderburg
T.S.K. Enterprises, L.L.C.
PMB 617
255 Blue Lakes Blvd. N.
Twin Falls, Idaho 83301
tskenterprise@cableone.net

RECEIVED

JAN 25 2019

DEPT OF WATER RESOURCES
SOUTHERN REGION

Re: High Plains Land & Livestock, LLC Transfers (47-2382)

Please find attached two Applications for Transfer of a Water Right seeking to convert portions of combined existing irrigation ground water rights 47-2382, 47-17506 and 47-17507 to stock water use at a nearby stock yard and stock water and commercial uses at a dairy approximately 4 miles to the south. Each transfer seeks to change the place of use, point of diversion, nature of use and period of use. The place of use no longer irrigated will become part of the new place of use for Transfer #1 as shown on Attachment #7 included therein.

As required by the change in nature of use, only the consumptive use portion is proposed for transfer. According to the crop reports included in Attachment #8, the land to be idled was planted in alfalfa pasture for grazing in May of 2013. Interpolation of ET-Idaho evapotranspiration estimates for local weather stations indicate an annual consumptive use of 3.30 acre-ft per acre. Details are included in attachment #8. Since the period of use will also be changing, it is hoped that the transferred diversion rate can be reduced in order to maintain the unnecessary flow within the remaining irrigation system. A water right split table is included as Attachment #10 showing the proposed splits and related adjustments for rate and consumptive volume. Since both transfers remove water from the same tract, the additional information is not duplicated in the second transfer, however if additional copies are needed they can certainly be provided.

If you have any questions or need any additional information to process these applications please feel free to contact me at your convenience.

Thanks,

Gary Funderburg
T.S.K. Enterprises

Attachments:

Application for Transfer #1 w/attachments: (0.06 cfs, 33.0 afa) with Check # 3274 (\$450)

Application for Transfer #2 w/attachments: (0.06 cfs, 33.3 afa) with Check # 3275 (\$450)