

FRUITLAND SPECIAL SERVICE DISTRICT

WATER CONSERVATION PLAN - 2022

October 18, 2022

Project #: 2206-054

Prepared by:



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1. INTRODUCTION

Water is an essential resource to many facets of life. Water conservation helps ensure this resource is managed well and ensures that water is available for everyone. Utah as a state, established a conservation goal of 25% by 2025. Recently, the Division of Water Resources (DWRe) regionalized the overall state goal to reflect local conditions such as climate, population, and different water uses (see Figure 1). Utah's Regional Municipal and Industrial Water Conservation Goals for Duchesne County is 18%, based on water use from 2015. For Fruitland Special Service District (FSSD), the goal will be to reduce the average water use from 284 gallons per capita per day (gpcd) to about 234 gpcd. Water use reduction goals for Utah by region are illustrated in Figure 1.

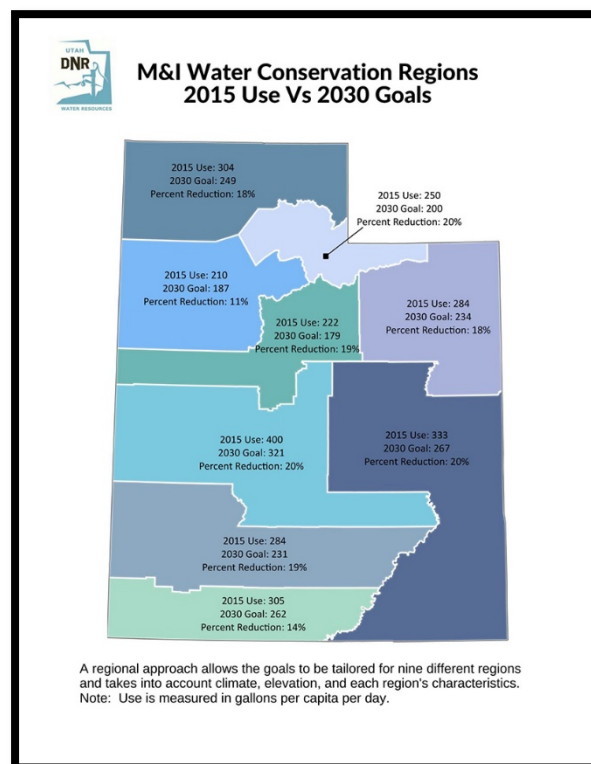


Figure 1. M&I Regional Water Conservation Goals

Providing an adequate supply of culinary water to users is a significant effort for FSSD. Water conservation practices are vital in ensuring the district is able to provide culinary water to users of the system while also maintaining high water quality. This Water Conservation Plan is being implemented to help ensure that water is available for all users of the system for the near future.

2. SYSTEM PROFILE

2.1. SERVICE AREA

Fruitland Special Service District is located in Duchesne County, Utah. The project area includes the FSSD service area and the existing culinary water system service area. Figure 2 shows the location of FSSD within the State of Utah. See Appendix A for the existing culinary system overview map.



Figure 2. Location of FSSD

2.2. POPULATION PROJECTION

Historic growth rates were estimated from both the Census data and the community's water connection data. Population data for the FSSD was not available. Countywide Census data was obtained and considered. The Duchesne County Census data shows that in the year 2010 there was a population of 18,607. The Utah Governor's Office of Management and Budget (GOMB) has provided population growth estimates for Duchesne County based on Census data. In 2040, the GOMB data projects the population of Duchesne County to be 25,721. This yields an average annual growth rate of 1.09%. The community data shows that from 2013 to 2017 the water service connections increased from 449 to 481 yielding an average annual growth rate of 1.74%.

Due to the difficulty in obtaining accurate population data for FSSD, the projected growth was performed using connection data. Both the average annual growth rate for Duchesne County and the average annual service connection growth rate were applied to the 2017 connection data to project growth through 2040. The service connection projections are shown in Table 2.

Table 1. Fruitland SSD Growth Projections

Year ->	2017	2020	2025	2030	2035	2040	Average Annual Growth Rate
Community Connection Projections	481	506	552	602	656	715	1.74%
Census Projections	481	497	524	553	584	617	1.09%

Considering that the community connection data provides a more realistic and conservative growth rate, it was selected for use in all the growth projections of this study.

2.3. WATER CONNECTIONS

All active water meters connected to the FSSD water system (residential and non-residential) were located using a global positioning system (gps) unit (data was collected by FSSD and provided to JDE). The number of meters in this data was confirmed by comparing to the communities billing and usage data. The meter breakdown is shown in Table 2. This information was collected from the 2017 Billing and Usage Report (see Appendix B).

Table 2. Connection Data

Connection Area	Residential Connections	Non-Residential Connections*	Total Connections
Fruitland Special Service District	476	5	481

* Non-residential connections include two churches, one restaurant, one gas station, and one general store.

2.4. ERCS AND PROJECTIONS

Indoor and outdoor water usage demands for the various connection types were estimated based on the criteria outlined by the State of Utah Rules Governing Public Drinking Water Systems. For outdoor use, it was estimated that an average 0.075 acres are irrigated per residential connection. This estimate is based on sampling a number of representative residential parcels throughout FSSD. It was found that of the 479 residential connections, approximately 260 residential connections are for homes with xeriscape landscaping and irrigated less than 0.05 acres. The majority of these homes are north of US 40. The remaining 221 residential connections irrigated approximately 0.20 acres. The irrigation company provides secondary water to many homes in the FSSD, and to account for that service, the irrigated area was reduced by 50% to 0.1 acres per connection. A weighted average was then used to determine the average irrigated acreage per residential connections. For the purposes of this study it was estimated that the average irrigated acres per residential connection is 0.075 acres.

The indoor water usage demands for the two institutional connections was calculated based on the ERC equivalents found in the state rules. It was assumed that each institution, on average, had 150 people attending. Outdoor use for nonresidential connections was estimated by delineating the irrigated acreage for each connection and totaled approximately 0.28 acres. These nonresidential outdoor usage areas include the two churches. A summary of the connections and the estimated ERCs for each type are included in Table 3. The selected growth rate mentioned previously was used to project the anticipated growth in ERCs. This projection assumes that the ERCs of all connection types will grow at the same growth rate. This data is shown in Table 4.

Table 3. Existing Water System Connection and Equivalent ERC Summary

Connection Type	Number of Connections	Equivalent ERCs
Residential*	479	479
Institutional	2	5
Total	481	484

* Assumed that restaurant, gas station, and general store each equal one ERC

Table 4. Projected Total ERCs

Year ->	2018	2020	2025	2030	2035	2040
Total ERCs	484	510	555	605	660	719

2.5. CURRENT WATER SUPPLY

2.5.1. EXISTING WATER RIGHT CAPACITY

FSSD obtains water from an underground well and two surface springs as shown on Exhibit 1 in Appendix A. Their water rights were investigated and summarized to determine water right capacity for existing and future use. FSSD's existing water rights.

Table 5 below summarizes FSSD's existing water rights.

Table 5. Existing Water Right Summary

W.R. No.	Status	Source	Name	Peak Flow (cfs)	Peak Flow (gpm)	Yearly Diversion Limit (ac-ft)
43-9861	a19406 (approved)	Spring	Little Red Creek	0.60	296	94.5
43-10207	a14869 (approved)	Spring	Mill Hollow Springs	1.00	449	150.0
43-12049	a38454 (approved)	Well	Well South of FSSD Office	0.82	368	75.0
Total Flow =				2.42	1,086	319.5

FSSD also owns water shares in 2 irrigation companies. Due to increasing demand for residential water connections, these shares are in the process of being transferred from the irrigation company into culinary water rights that can be used from any of the existing sources, or potentially, an additional source in the future. These shares are shown in Table 10 below.

Table 6: Irrigation Company Shares Summary

Irrigation Company	# of Shares	Yearly Diversion Limit (ac-ft)
Red Creek Irrigation Company	222	154
Little Red Creek Irrigation Company	100	94.5
Total (irrigation water) =		248.6
Total Water Rights Owned		564.5

Water rights were evaluated using the criteria outlined in the State of Utah Rules Governing Public Drinking Water Systems. Water right requirements are based on the peak day demand (flow rate limitation), and the average daily demand (total diversion limit). These calculated requirements shown in Table 7 include indoor and outdoor usage of all typical connection types, as well as the special use annual diversion volumes. The water rights information was obtained from the Utah Division of Water Rights. This information is shown in Appendix C.

As shown by comparing the available water rights in Table 5 and the required water rights in Table 7, the town has sufficient water rights through the 20-year planning period. As noted in Table 5, the current culinary water right diversion limit is deficient by approximately 7 acre-feet, however, when taking in to account the irrigation company shares, FSSD owns enough water to meet their needs.

Actual usage within the system is significantly below the state's guidelines due to the unique situation of the SSD having several summer homes/cabins and connections that are not active year-round. FSSD is in

the process of transferring water rights from the irrigation company shares to culinary as actual usage approaches their existing water rights. It is also recommended that FSSD require new developers to purchase and/or transfer water rights to the service district when connecting to the water system.

Table 7. Water Rights Requirements

Year ->	2018	2020	2025	2030	2035	2040
Peak Flow (gpm)	413	434	474	516	562	613
Diversion Limit (ac-ft/yr)	326	343	374	407	444	484

2.5.2. SOURCE PHYSICAL CAPACITY

A water source's capacity to provide water is based on the safe yield capacity. The safe yield capacity is determined by the type of source the water comes from. The safe yield capacity will be used as the reliable capacity for the system.

2.5.3. SPRING CAPACITY

FSSD sources water from two springs, the first is the Little Red Creek Spring, and the second is the Mill Hollow Spring. Though there is no continuous measuring equipment at the springs, estimates place the amount of water produced by the springs regularly as a combined 480 gpm. This flow equates to approximately 593 ERCs.

2.5.4. WELL

To identify a well's ability to provide water for a system, a well's safe yield is established. The Division of Drinking Water considers two-thirds of the pumping rate from the aquifer drawdown test or well capacity as the safe yield of the well.¹ The safe yield determines the number of ERCs a well source can support. FSSD has one underground well located in the southern part of the system. This well is typically used as a backup source. The safe yield capacity of the underground well is 100 gpm. The well can provide sufficient flow to supply 123 ERCs to help supplement the system when needed.

2.5.5. TOTAL SOURCE CAPACITY

FSSD currently has the three sources that have been discussed, which consist of two springs and one well. The names and peak rated capacities of these sources are shown in

¹ UAC R309-515-6(10)(c) states: "If the aquifer drawdown test data show that the drawdown has stabilized, the Director will consider 2/3 of the pumping rate used in the constant-rate test as the safe yield of the well. The safe yield is used to determine the number of permanent residential connections or ERCs that a well source can support."

. The location of these sources can be found on Exhibit 1 in Appendix A.

Table 8 Source Capacity Summary

Source Name	Well/Spring Capacity (gpm)	ERC
Little Red Spring*	330	408
Mill Hollow Spring	150	185
FSSD Well	150	123
Total	630	716

*FSSD currently has an agreement to split Little Red Spring flow 65% for FSSD and 35% for an irrigation company.

Accounting for only 65% of the Little Red Spring production for culinary use, the system has a source capacity for 573 ERCs. Even more ERCs can be added if 100% of the spring production can be utilized for culinary purposes. The state guidelines indicate that the sources must have the capacity to provide a peak capacity equivalent to the peak day demand. The minimum required peak source capacity was estimated through the planning period based on the state guidelines and the projected growth in ERCs shown in Table 4. The requirements for source capacity are shown in Table 9. Based on a comparison of the required capacities with the existing source capacity shown in

, FSSD's source capacity will be sufficient to handle its needs through the 20-year study period assuming that growth does not exceed the projected growth discussed in previous sections and that spring capacity does not deteriorate in the future.

Table 9 Source Requirements

Year ->	2018	2020	2025	2030	2035	2040
Total Source Capacity Required (gpm) (peak day demand)	413	434	474	516	562	613

2.6. WATER USE

The last two years, 2020 and 2021, water usage was reported by FSSD, and it is summarized in the table below. Based on water usage from 2021, the average water usage per capita per day is approximately 117 gallons or about 0.1313 acre-feet per ERC per year.

Table 10 Water Usage

Year	Population	Total Use (acre-feet/year)	Convert from Acre-Feet to Gallons	Convert from Year to Day	Calculated GPCD
2021	515	67.64	22,033,900	60,367	117
2020	506	72.81	23,716,996	64,978	128
2017	481	67.89	22,122,024	60,608	126

2016	472	65.13	21,222,676	58,144	123
2014	455	48.59	15,833,100	43,378	95
2013	447	86.51	28,189,370	77,231	173

2.7. SUPPLY VS. USE COMPARISON

Comparing water supply versus water usage, see Figure 3, FSSD has enough water supply to provide water for the projected water demands through 2040.

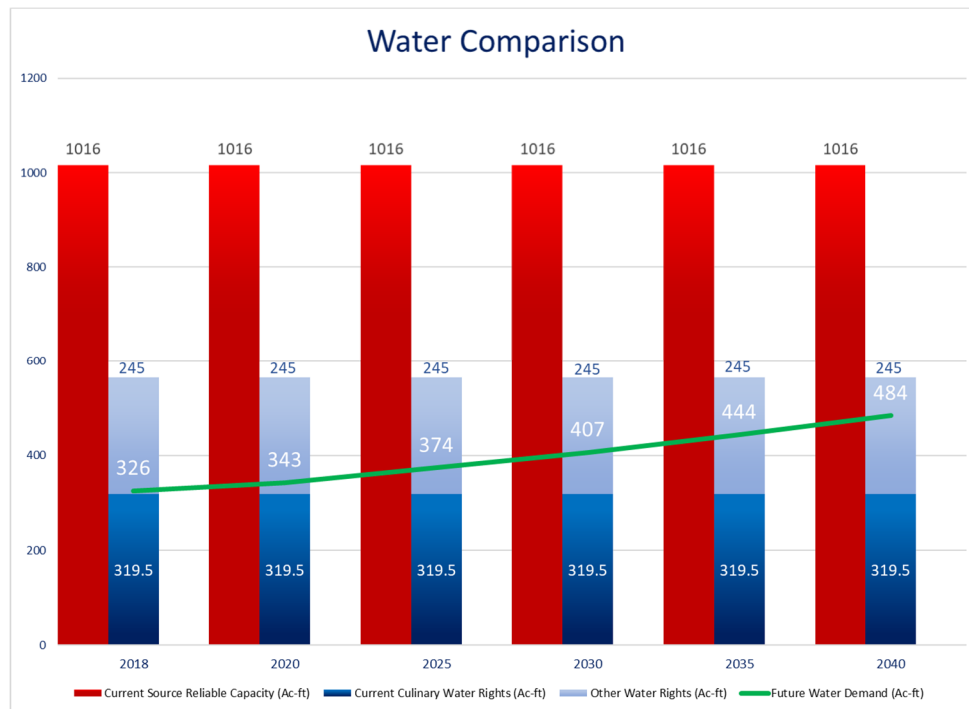


Figure 3 Water Supply vs Demand Comparison

As can be seen from the above figure, FSSD has sufficient water rights and reliable source capacity to meet current and future demands at the current water usage per capita once the irrigation rights are converted to culinary use.

3. SYSTEM WATER LOSS CONTROL

3.1. LEAK DETECTION AND REPAIR METHODS

FSSD has a water operator that makes regular checks on the system to check for leaks and areas in need of repair. Water users are also encouraged to report leaks to FSSD. If repairs are needed, the water operator has the equipment necessary to make and complete water line repairs.

3.2. WATER LOSS

FSSD does not currently have a method of measuring and recording water from sources. However, FSSD is in the process of adding meters to its system to make monitoring water use possible. Because of the absence of system metering, water lost to non-metered use or leaks within the system is unknown.

3.3. CURRENT WATER MEASUREMENT METHODS

All connections in the system are metered and are read electronically. Meters that are old will be replaced at the end of their service life. Replacing old meters, generally increases the accuracy of the readings because of newer technologies, standards, and smaller error margins on readings.

4. BILLING

The current pricing structure for users of the FSSD is shown below.

Table 11 – FSSD Residents Price / Rate Structure

Schedule	Rate	Gallons	Notes
Base Fee	\$40.00	10,000	
Overage Fee	\$3 per 1,000 gallons	10,001+	Overages applied year-round.

5. WATER USE PER CAPITA

While the exact population being serviced by FSSD is unknown, using the current number of connections as a conservative estimate for the population of FSSD, the current water use per capita is 117 gpcd, see Figure 4. Since 2013, the average water usage per capita per day is 127 gallons, well under the region goal of 234 gpcd.

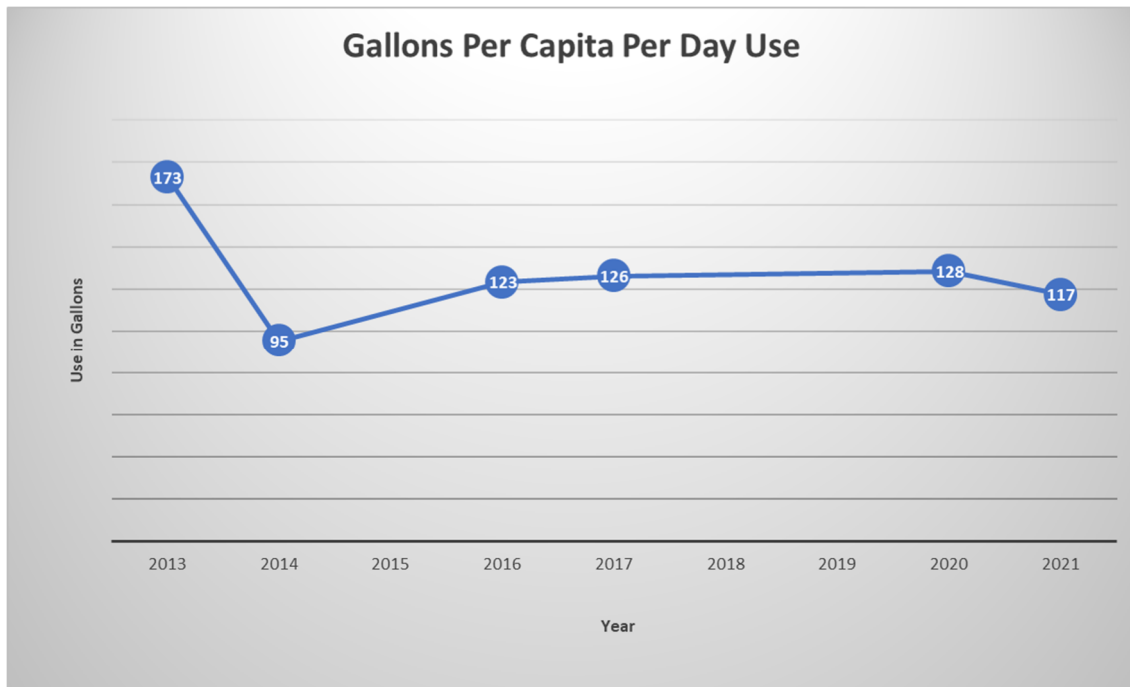


Figure 4 Water Usage per Capita Per Day

6. CONSERVATION PRACTICES

6.1. WATER CONSERVATION GOAL

Utah's Regional Municipal and Industrial Water Conservation Goals for Duchesne County is to reduce the average water use from 284 gallons per capita per day (gpcd) to about 234 gpcd. Currently the FSSD has averaged 127 gpcd over the last 9 years, which is less than the goal by over 100 gallons.

6.2. CONSERVATION PRACTICES

FSSD does not currently have a water conservation plan but plans to adopt this new plan once it is finalized. The FSSD board has met and discussed possible ways they feel the district could maintain current water use. They are as follows:

- Periodically review water billing rates and increase rates as needed for higher water usage
- Meter all connections
- Educate residents about water conservation
- Meter all sources to monitor losses in lines if present
- Reduce watering the cemetery and office property if in a drought year
- Read all meters regularly
- Implement a repair and replacement program for old meters

6.3. IMPLEMENTING AND UPDATING THE WATER CONSERVATION PLAN

This Water Conservation Plan will be adopted by the FSSD, who will have the responsibility to coordinate and carryout the water conservation program measures. The meeting minutes adopting the water conservation plan, and the Chairman's signature can be found in Appendix D.

The water conservation plan will be revised and updated as required to meet changing conditions and needs. This plan will also be updated and resubmitted to the Utah Division of Water Resources in 2027.

Annual evaluation and review of the Water Management and Conservation Plan will occur as water meter reading provides FSSD with good consumptive use data. This will require field checks on users that are using large amounts of water to determine the cause of excess usage. These users will need to be periodically informed of their usage and educated about appropriate conservation measures.

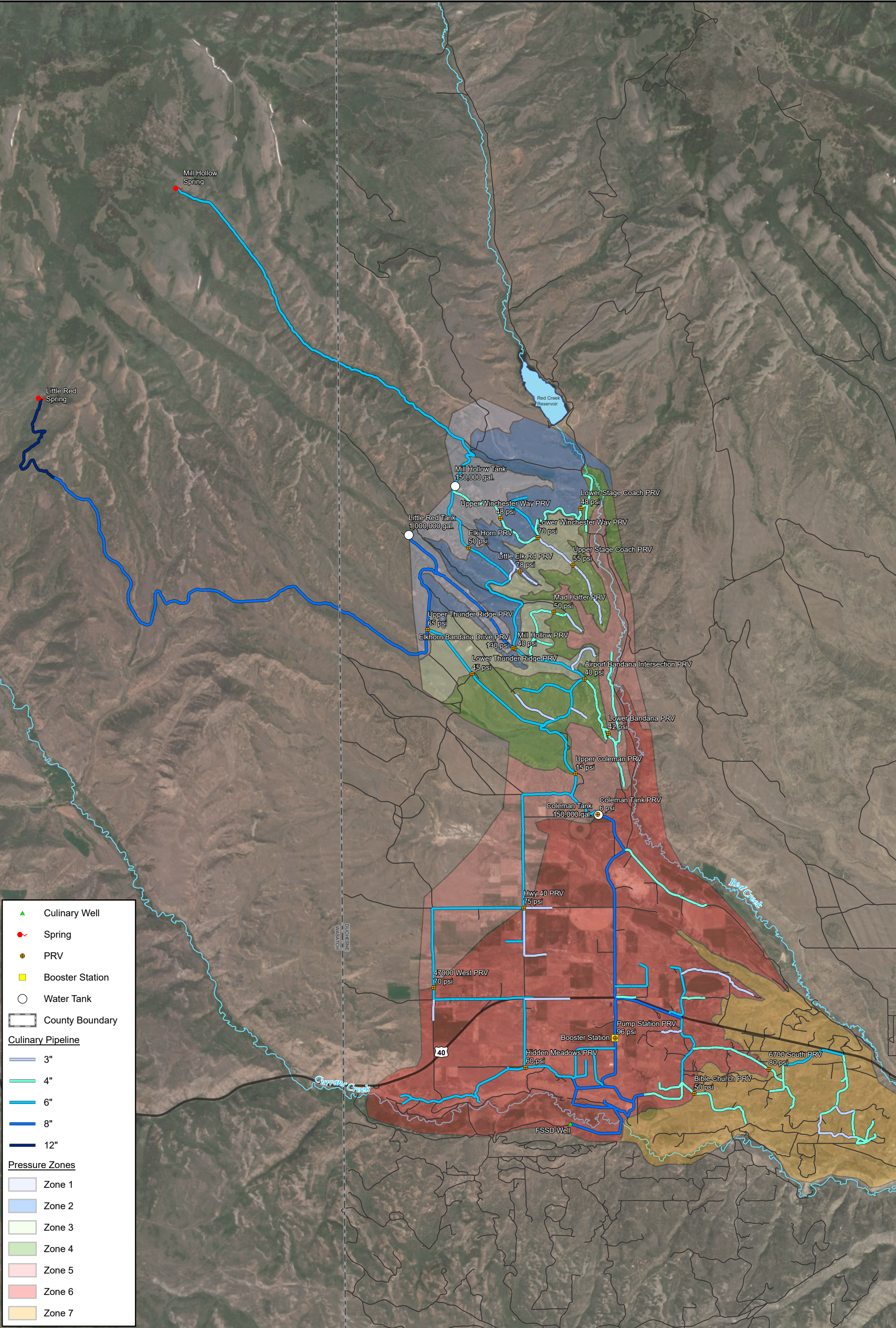
6.4. CONTACT INFORMATION

Those involved with the adoption and implementation of this plan are:

Chairman	Bonner Hardegee
Trustee	Jared Kesler
Trustee	Danny Pace
Treasurer	Vicki Savage
Business Manager	Shilo Hatch
Water Operator	Zack Taylor

The FSSD Board Chairman will be primarily responsible for ensuring these measures are put into place and that education takes place. The Water Management and Conservation Plan will be reviewed and updated, if necessary, every 5 years from the date of adoption.

APPENDIX A. SYSTEM MAP



▲ Culinary Well

● Spring

● PRV

■ Booster Station

○ Water Tank

▭ County Boundary

Culinary Pipeline

3"

4"

6"

8"

12"

Pressure Zones

Zone 1

Zone 2

Zone 3

Zone 4

Zone 5

Zone 6

Zone 7

APPENDIX B. 2017 BILLING RATES AND USE

Fruitland SSD
Billing & Usage Summary - 01/01/2017 to 01/23/2018

	<u>Unclassified</u>	<u>Total</u>
-- USAGE --		
Water	22,121,014	22,121,014
-- LOCATIONS --		
Water	481	481
-- SERVICES --		
Water	499.00	499.00
Reserved Connection	21.00	21.00
Post Office rent	1.00	1.00
Office Water	13.00	13.00
-- CHARGES --		
WATER	256,838.97	256,838.97
RESERVED CONNEC	260.00	260.00
CONNECTION FEES	94,126.00	94,126.00
DISCONNECT FEES	-423.61	-423.61
RECONNECT FEES	500.00	500.00
IMPACT FEES	4,000.00	4,000.00
RENT - POST OFFIC	0.00	0.00
WATER SHARES		0.00
LT RECEIVABLES - P		0.00
LT RECEIVABLES - IN		0.00
RETURNED/NSF PAY	240.00	240.00
PENALITES	1,090.00	1,090.00
MISCELLANOUES	44.23	44.23
REFUND	160.00	160.00
	<u>\$356,835.59</u>	<u>\$356,835.59</u>

APPENDIX C. WATER RIGHTS AND CERTIFICATES

[View New Water Right Webpage Design](#)

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 04/12/2018

WATER RIGHT: **43-9861** APPLICATION/CLAIM NO.: **A5255a** CERT. NO.: 1818CHANGES: [a19406](#) (Filed: 11/21/1997) Approved

OWNERSHIP*****

NAME: Fruitland Water Improvement District - User
ADDR: P.O. Box 270130
Fruitland UT 84027NAME: Little Red Creek Irrigation Company - Owner
ADDR: Fruitland, UT 84027

DATES, ETC.*****

LAND OWNED BY APPLICANT? Yes	COUNTY TAX ID#:			
FILED: 11/14/1997	PRIORITY: 06/06/1913	PUB BEGAN:	PUB ENDED:	NEWSPAPER:
ProtestEnd:	PROTESTED: [No]	HEARING HLD:	SE ACTION: [	ActionDate:
EXTENSION:	ELEC/PROOF:[	ELEC/PROOF:	CERT/WUC: 12/05/1929	LAP, ETC:
RUSH LETTR:	RENOVATE:	RECON REQ:	TYPE: [	
PD BOOK: [43-	MAP: [	PUB DATE:		

TYPE -- DOCUMENT -- STATUS-----

Type of Right: Application to Appropriate Source of Info: Ownership Segregation Status: Certificate

LOCATION OF WATER RIGHT**(Points of Diversion: Click on Location to access PLAT Program.)*****[MAP VIEW](#)*****FLOW: 0.6 cfs OR 94.5 acre-feet
SOURCE: Little Red Creek
COUNTY: Wasatch COMMON DESCRIPTION: 9 miles northwest of Fruitland

POINT OF DIVERSION -- SURFACE:

(1) [N 953 ft W 1673 ft from E4 cor, Sec 13, T 2S, R 10W, USBM](#)

Diverting Works: Headgate and earthen canal

Source:

Stream Alt Required?: No

USES OF WATER RIGHT***** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ***** EDU -- Equivalent Domestic Unit or 1 Family
(The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)WATER USE GROUP NO.: [220293](#).

IRRIGATION: 31.5 acres

PERIOD OF USE: 04/01 TO 10/31

-----NORTH WEST QUARTER-----				*-----NORTH EAST QUARTER-----*				*-----SOUTH WEST QUARTER-----*				*-----SOUTH EAST QUARTER-----*			
* NW	* NE	* SW	* SE	* NW	* NE	* SW	* SE	* NW	* NE	* SW	* SE	* NW	* NE	* SW	* SE
Sec 10 T 3S R 9W USBM			X												
Sec 11 T 3S R 9W USBM										X	X				
Sec 14 T 3S R 9W USBM		X	X	*X	X	X		*X		X	X		X	X	
Sec 15 T 3S R 9W USBM							X								X
Sec 23 T 3S R 9W USBM				*X	X										

SEGREGATION HISTORY*****

This Right was Segregated from [43-3134](#), with Appl#: A5255, Approval Date: / / under which Proof is to be submitted.

This Right as originally filed:

FLOW IN	QUANTITY IN	-----W A T E R U S E S-----*						
CFS	ACRE-FEET	IRRIGATED	STOCK	DOMESTIC	MUNICIPAL	MINING	POWER	OTHER
		ACREAGE	(ELUs)	(FAMILIES)		ACRE-FEET		

*****END OF DATA*****

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 06/07/2018 Page 1

CHANGE: **a19406** WATER RIGHT: 43-9861 CERT. NO.: AMENDATORY? No COUNTY TAX ID#: BASE WATER RIGHTS: 43-9861 RIGHT EVIDENCED BY: 43-3134 (A5255a) CHANGES: Point of Diversion [X], Place of Use [X], Nature of Use [X], Reservoir Storage [].

NAME: Fruitland Water Improvement District - User
ADDR: P.O Box 270130
Fruitland, UT 84027
REMARKS: Share holder

NAME: Little Red Creek Irrigation Company - Owner
ADDR:
REMARKS:

DATES, ETC.*****

FILED: 11/21/1997|PRIORITY: 11/21/1997|ADV BEGAN: 12/02/1997|ADV ENDED: 12/09/1997|NEWSPAPER: Uintah Basin Standard
ImpairDesig[NO]|IMP NOTICE:
Water Rights which the State Engineer has Identified may Experience Quantity Impairment:

ProtestEnd:12/29/1997|PROTESTED: [No]|HEARNG HLD: |SE ACTION: [Approved]|ActionDate:03/18/1999|PROOF DUE: 03/31/2010
EXTENSION: |ELEC/PROOF:[Proof]|ELEC/PROOF:08/17/2005|CERT/WUC: |LAP, ETC: |LAPS LETTER:
RUSH LETTR: |RENOVATE: |RECON REQ: |TYPE: []

STATUS LINE-----
Status: Approved

*****HERETOFORE*****
*****HEREAFTER*****

FLOW: 0.6 cfs OR 94.5 acre-feet	FLOW: 0.6 cfs OR 94.5 acre-feet
SOURCE: Tributary to Little Red Creek	SOURCE: Little Red Spring
COUNTY: Wasatch	COUNTY: Wasatch COM DESC:
	The Fruitland Water Improvement District has purchased 100 shares from the Little Red Creek Irrigation Company to increase the municipal supply to the District's users, as well as to allow service to additional connections, which cannot be done at present because of the limitation from the District's other source under Water Right 43-10207.
	Certificate #1818 for 43-3134 from which this right was segregated, indicates that water under this right is not to exceed 2.25 acre-feet per year for 210 acres of land (4/1-11/30). Since there are 244 days in the use period, and 3 cfs running for 244 days produces 1,452 acre-feet, it is obvious that the spring is not expected to deliver 3 cfs to the fields for irrigation for the entire season. Part of the Development is to pipe all the flow part way to the place of use, and the District's portion all the way to Fruitland.
	This can be quantified as follows: 210 acres x 2.25 ac.ft./yr = 472.5 a.f./yr The District's 100 shares of the Irrigation Company are 20% of the 500 shares outstanding. Consequently, the District should be entitled to up to 94.5 acre feet per year.

POINT(S) OF DIVERSION -----> MAP VIEW ****	CHANGED AS FOLLOWS: (Click Location link for WRPLAT)
Point Surface: (1) N 953 ft W 1673 ft from E4 cor, Sec 13, T 2S, R 10W, USBM Dvrting Wks: Headgate and earthen canal Source:	Point Surface: (1) N 3458 ft W 1549 ft from SE cor, Sec 13, T 2S, R 10W, USBM Dvrting Wks: 24,000' of 10" PVC Pipe & 26,000' of 6" PVC Pipe Source: Stream Alt?: No

PLACE OF USE ----->				CHANGED as follows:			
		--NW%--	--NE%--	--SW%--	--SE%--		
		N N S S	N N S S	N N S S	N N S S		
		W E W E	W E W E	W E W E	W E W E		
Sec 10 T	3S R	9W USBM	* : : :X** : : : ** : : : ** : : : *				
Sec 11 T	3S R	9W USBM	* : : : ** : : : ** : : :X:X** : : : *				
Sec 14 T	3S R	9W USBM	* : :X:X**X:X:X: **X: :X:X** :X:X: *				
Sec 15 T	3S R	9W USBM	* : : : ** : : :X** : : : ** : : :X*				
Sec 23 T	3S R	9W USBM	* : : : **X:X: : ** : : : ** : : : *				

NATURE OF USE ----->				CHANGED as follows:			
IRR = values are in acres.							
STK = values are in ELUs meaning Cattle or Equivalent.							
DOM = values are in EDUs meaning Equivalent Domestic Units (or Families).							
SUPPLEMENTAL to Other Water Rights: No				SUPPLEMENTAL to Other Water Rights: No			
IRR:	42.0000		USED 04/01 - 10/31				
				MUN: Fruitland Water Improvement District USED 01/01 - 12/31			

EXTENSIONS OF TIME WITHIN WHICH TO FILE PROOF*****

FILED: 07/30/2002 | PUB BEGAN: | PUB ENDED: | NEWSPAPER:
ProtestEnd: | PROTESTED: [No] | HEARNG HLD: | SE ACTION: [Approved] | ActionDate:06/10/2003 | PROOF DUE: 03/31/2005

FILED: 03/14/2005 | PUB BEGAN: | PUB ENDED: | NEWSPAPER: No Adv Required
ProtestEnd: | PROTESTED: [No] | HEARNG HLD: | SE ACTION: [Approved] | ActionDate:05/20/2005 | PROOF DUE: 03/31/2010

*****E N D O F D A T A*****

[View New Water Right Webpage Design](#)

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 04/12/2018

WATER RIGHT: **43-10207** APPLICATION/CLAIM NO.: **A856** CERT. NO.: 158
CHANGES: [a14869](#) (Filed: 12/05/1988) Certificate (Issued: 12/17/1997)
[a24058](#) (Filed: 01/10/2000) Unapproved

OWNERSHIP*****

NAME: Fruitland Water Improvement District (Public Water Supplier)
ADDR: PO Box 270130
Fruitland UT 84027

DATES, ETC.*****

LAND OWNED BY APPLICANT? COUNTY TAX ID#:
FILED: 04/07/1906 PRIORITY: 04/07/1906 PUB BEGAN: 08/17/1906 PUB ENDED: NEWSPAPER:
ProtestEnd: PROTESTED: [No] HEARING HLD: SE ACTION: [Approved] ActionDate: 12/31/1906 PROOF DUE: 12/31/1908
EXTENSION: ELEC/PROOF: [Proof] ELEC/PROOF: 12/23/1908 CERT/WUC: 06/23/1915 LAP, ETC: LAPS LETTER:
RUSH LETTR: RENOVATE: RECON REQ: TYPE: []
PD BOOK: [43-] MAP: [225b] PUB DATE:

*TYPE -- DOCUMENT -- STATUS--

Type of Right: Application to Appropriate Source of Info: Certificate

Status: Certificate

LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)*****[MAP VIEW](#)*****

FLOW: 1.0 cfs OR 150.0 acre-feet

SOURCE: Mill Hollow Springs

COUNTY: Duchesne COMMON DESCRIPTION:

POINTS OF DIVERSION -- SURFACE:

(1) [S 103 ft E 1259 ft from NW cor, Sec 05, T 2S, R 9W, USBM](#)

Diverting Works:

Source:

(2) [S 391 ft E 1468 ft from NW cor, Sec 05, T 2S, R 9W, USBM](#)

Diverting Works:

Source:

Stream Alt Required?: No

USES OF WATER RIGHT***** ELU -- Equivalent Livestock Unit (cow, horse, etc.) ***** EDU -- Equivalent Domestic Unit or 1 Family
(The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)

WATER USE GROUP NO.: [213107](#).

MUNICIPAL: Fruitland Water Improvement District

PERIOD OF USE: 01/01 TO 12/31

Acre Feet Contributed by this Right for this Use: 150.0

Within the service area of Fruitland Water Improvement District

*****END OF DATA*****



Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 04/12/2018 Page 1

CHANGE: a14869 WATER RIGHT: 43-10207 CERT. NO.: AMENDATORY? No COUNTY TAX ID#:

BASE WATER RIGHTS: 43-10207

RIGHT EVIDENCED BY: 43-10207 (a portion of 43-1206, A856)

CHANGES: Point of Diversion [X], Place of Use [X], Nature of Use [X], Reservoir Storage [].

NAME: Fruitland Water Improvement District

ADDR: P. O. Box 1

Fruitland UT 84027

REMARKS:

DATES, ETC.

FILED: 12/05/1988|PRIORITY: 12/05/1988|ADV BEGAN: 12/28/1988|ADV ENDED: |NEWSPAPER: Uintah Basin Standard

ImpairDesig[NO]|IMP NOTICE:

Water Rights which the State Engineer has Identified may Experience Quantity Impairment:

ProtestEnd:02/10/1989	PROTESTED: [Yes]	HEARNG HLD:	SE ACTION: [Approved]	ActionDate:04/12/1990	PROOF DUE: 06/30/1995
EXTENSION:	ELEC/PROOF:[Proof]	ELEC/PROOF:06/29/1994	CERT/WUC: 12/17/1997	LAP, ETC:	LAPS LETTER:
RUSH LETTR:	RENOVATE:	RECON REQ:	TYPE: []		

STATUS LINE

Status: Certificated

*****HERETOFORE*****HEREAFTER*****

FLOW: 1.67 cfs	FLOW: 1.0 cfs
SOURCE: Red Creek	SOURCE: Mill Hollow Springs The Springs are located on land owned by Coleman Brothers Limited.
COUNTY: Duchesne	COUNTY: Duchesne COM DESC:
	The water is to be used within the Fruitland Water Improvement District service area. The District is a public subdivision created to serve the domestic water needs for the Fruitland area.

POINT(S) OF DIVERSION -----> MAP VIEW ***	CHANGED AS FOLLOWS: (Click Location link for WRPLAT)
Point Surface: (1) S 630 ft W 880 ft from N4 cor, Sec 21, T 3S, R 8W, USBM	Point Surface: (1) S 250 ft E 1450 ft from NW cor, Sec 05, T 2S, R 9W, USBM
Dvrtng Wks: Source: Red Creek	Dvrtng Wks: Collection System Source: Mill Hollow Spring #1 (2) S 350 ft E 1900 ft from NW cor, Sec 05, T 2S, R 9W, USBM Dvrtng Wks: Collection System Source: Mill Hollow Spring #2 (3) S 700 ft E 2075 ft from NW cor, Sec 05, T 2S, R 9W, USBM Dvrtng Wks: Collection System Source: Mill Hollow Spring #3
	Stream Alt?: No

PLACE OF USE ----->	CHANGED as follows:

NATURE OF USE ----->	CHANGED as follows:
IRR = values are in acres. STK = values are in ELUs meaning Cattle or Equivalent. DOM = values are in EDUs meaning Equivalent Domestic Units (or Families).	
SUPPLEMENTAL to Other Water Rights: Yes	SUPPLEMENTAL to Other Water Rights: No
IRR: 55.3500 USED 04/01 - 10/31	
	MUN: Fruitland Water Improvement District USED 01/01 - 12/31



Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 04/12/2018 Page 1

CHANGE: a24058 WATER RIGHT: 43-10207 CERT. NO.: AMENDATORY? No COUNTY TAX ID#:

BASE WATER RIGHTS: 43-10207

RIGHT EVIDENCED BY: 43-10207 (a portion of 43-1206)

CHANGES: Point of Diversion [X], Place of Use [], Nature of Use [], Reservoir Storage [].

NAME: Fruitland Water Improvement District

ADDR: PO Box 270130

Fruitland UT 84027

REMARKS:

DATES, ETC.

FILED: 01/10/2000|PRIORITY: 01/10/2000|ADV BEGAN: 04/18/2000|ADV ENDED: 04/25/2000|NEWSPAPER: Uintah Basin Standard

ImpairDesig[NO]|IMP NOTICE:

Water Rights which the State Engineer has Identified may Experience Quantity Impairment:

ProtestEnd:05/15/2000	PROTESTED: [Hear Hel]	HEARNG HLD:09/07/2016	SE ACTION: []	ActionDate:	PROOF DUE:
EXTENSION:	ELEC/PROOF:[]	ELEC/PROOF:	CERT/WUC:	LAP, ETC:	LAPS LETTER:
RUSH LETTR:	RENOVATE:	RECON REQ:	TYPE: []		

*STATUS LINE

Status: Unapproved

POINT(S) OF DIVERSION -----> MAP VIEW****

FLOW: 1.0 cfs OR 150.0 acre-feet

SOURCE: Mill Hollow Springs

COUNTY: Duchesne

FLOW: 1.0 cfs OR 150.0 acre-feet

SOURCE: Mill Hollow Springs (2) & Little Red Spring

COUNTY: Duchesne COM DESC: near Fruitland

Points of diversion are in both
Wasatch and Duchesne Counties. All of Special
Service District is in Duchesne County.

POINT(S) OF DIVERSION -----> MAP VIEW****

Point Surface:

(1) S 391 ft E 1468 ft from NW cor, Sec 05, T 2S, R 9W, USBM

Dvrting Wks:

Source:

(2) S 103 ft E 1259 ft from NW cor, Sec 05, T 2S, R 9W, USBM

Dvrting Wks:

Source:

SAME AS HERETOFORE, AND IN ADDITION TO: (Click link for WRPLAT) |

Point Surface:

(1) N 3458 ft W 1549 ft from SE cor, Sec 13, T 2S, R 10W, USBM

Dvrting Wks: 24,000' of 10" PVC pipe

Source: Little Red Spring

Stream Alt?: No

NATURE OF USE ----->

IRR = values are in acres.

STK = values are in ELUs meaning Cattle or Equivalent.

DOM = values are in EDUs meaning Equivalent Domestic Units
(or Families).

SUPPLEMENTAL to Other Water Rights: No

MUN: Fruitland Water Improvement District USED 01/01 - 12/31

SAME AS HERETOFORE

SUPPLEMENTAL to Other Water Rights: No

PROTESTANTS

NAME: Little Red Creek Cattle Co. LLC

ADDR: c/o Dallin W. Jensen, Attorney

201 South Main, Suite 1800, P.O. Box 45898

Salt Lake City, UT 84145-0898

TYPE: APPL

RCVD: 05/12/2000

NAME: Little Red Creek Irrigation Co.

ADDR: c/o Dallin W. Jensen, Attorney

201 South Main, Suite 1800, P.O. Box 45898

Salt Lake City, UT 84145-0898

TYPE: APPL

RCVD: 05/12/2000

*****END OF DATA*****



Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 06/07/2018 Page 1

CHANGE: **a38454** WATER RIGHT: [43-12049](#) CERT. NO.: AMENDATORY? No COUNTY TAX ID#: 000BASE WATER RIGHTS: [43-12049](#)

RIGHT EVIDENCED BY: a33995(43-12049)

CHANGES: Point of Diversion [X], Place of Use [X], Nature of Use [], Reservoir Storage [].

NAME: Fruitland Special Service District
 ADDR: PO Box 270130
 Fruitland UT 84027
 INTEREST: 100% REMARKS: purchasing the right

 DATES, ETC.*****

FILED: 09/10/2012|PRIORITY: 09/10/2012|ADV BEGAN: 09/25/2012|ADV ENDED: 10/02/2012|NEWSPAPER: Uintah Basin Standard

ImpairDesig[NO]|IMP NOTICE:

Water Rights which the State Engineer has Identified may Experience Quantity Impairment:

ProtestEnd:10/22/2012|PROTESTED: [No]|HEARNG HLD: |SE ACTION: [Approved]|ActionDate:01/16/2013|PROOF DUE: 01/31/2027
 EXTENSION: |ELEC/PROOF:[]|ELEC/PROOF: |CERT/WUC: |LAP, ETC: |LAPS LETTER:
 RUSH LETTR: |RENOVATE: |RECON REQ: |TYPE: []

STATUS LINE

Status: Approved

 *****HERETOFORE*****HEREAFTER*****

FLOW: 75.0 acre-feet 0.82 cfs or 75 acre feet	FLOW: 75.0 acre-feet 0.82 cfs or 75 acre feet
SOURCE: Underground Water Well (existing)	SOURCE: Underground Water Well
COUNTY: Duchesne	COUNTY: Duchesne COM DESC: Fruitland

POINT(S) OF DIVERSION -----> MAP VIEW ****	CHANGED AS FOLLOWS: (Click Location link for WRPLAT)
Point Underground: (1) N 505 ft W 44 ft from E4 cor, Sec 26, T 3S, R 9W, USBM Diameter: 6 ins. Depth: 140 to ft. WELL ID#: 000000 COMMENT: Valle Del Padre Well	UNDERGROUND: (Click Link for PLAT data, Well ID# link for data.) (1) S 480 ft W 650 ft from NE cor, Sec 25, T 3S, R 9W, USBM Diameter: 10 ins. Depth: 25 to 500 ft. WELL ID#: 436472 COMMENT: Drilled under 1243009M00

NATURE OF USE ----->	SAME AS HERETOFORE
IRR = values are in acres. STK = values are in ELUs meaning Cattle or Equivalent. DOM = values are in EDUs meaning Equivalent Domestic Units (or Families).	
SUPPLEMENTAL to Other Water Rights: Yes	SUPPLEMENTAL to Other Water Rights: No
MUN: Fruitland Water Improvement District USED 01/01 - 12/31	

 EXTENSIONS OF TIME WITHIN WHICH TO FILE PROOF*****

FILED: 01/30/2018|PUB BEGAN: |PUB ENDED: |NEWSPAPER: No Adv Required
 ProtestEnd: |PROTESTED: [No]|HEARNG HLD: |SE ACTION: [Approved]|ActionDate:02/15/2018|PROOF DUE: 01/31/2027

 *****END OF DATA*****

NUMBER
304

SIXTY
63

Incorporated as a non-profit Mutual Irrigation Co. under the laws of the state of UTAH

Red Creek Irrigation Company

Total authorized issue is 8312 shares of Common Stock
Representing claims to irrigate 2,770.63 acres, 1220 Live Stock Units, 5770 acre/ft storage

See Reverse for
Certain Definitions

This is to Certify that Fruitland Special Service District is the owner of
***** Sixty Three (63) Shares *****

fully paid
and non-assessable shares of the above Corporation transferable only on the books of the Corporation by the holder thereof in person or by a duly authorized Attorney upon surrender of this Certificate properly endorsed.

Witness, the seal of the Corporation and the Signatures of its duly authorized officers.
Dated 17 Sep 2009

Dwayne W. Moss

Secretary

Tony Carlson

President



267

7

Incorporated as a non-profit Mutual Irrigation Co. under the laws of the state of UTAH

Red Creek Irrigation Company

Total authorized issue is 8312 shares of Common Stock

Representing claims to irrigate 2,770.63 acres, 1220 Live Stock Units, 5770 acre-ft storage

See Reverse for
Certain Definitions

This is to Certify that Fruitland Special Service District is the owner of

***** Seven(7) shares*****

fully paid and non-assessable shares of the above Corporation transferable only on the books of the Corporation by the holder thereof in person or by a duly authorized Attorney upon surrender of this Certificate properly endorsed.

Witness, the seal of the Corporation and the Signatures of its duly authorized officers.

Dated

06 December 2007

Dwaine W. Moss

Secretary

Terry Carlson

President

283

152

Incorporated as a non-profit Mutual Irrigation Co. under the laws of the state of UTAH

Red Creek Irrigation Company

Total authorized issue is 8312 shares of Common Stock
Representing claims to irrigate 2,770.63 acres, 1220 Live Stock Units, 5770 acre/ft storage

See Reverse for
Certain Definitions

This is to Certify that Fruitland Special Service District is the owner of
***** One Hundred Fifty Two Shares *****

fully paid
and non-assessable shares of the above Corporation transferable only on the books of the
Corporation by the holder thereof in person or by a duly authorized Attorney upon
surrender of this Certificate properly endorsed.

Witness, the seal of the Corporation and the Signatures of its duly authorized officers.

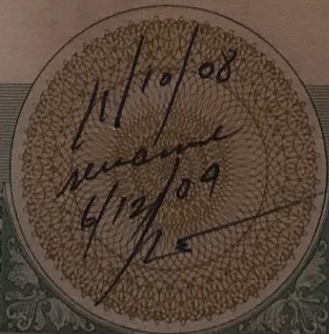
Dated

5 Nov 2008

Duane W. Moss
Secretary

Tony Carlson

President



INCORPORATED UNDER THE LAWS OF

UTAH

NUMBER

190

SHARES

6

LITTLE RED CREEK IRRIGATION CO.

FRUITLAND, UTAH

This Certifies that *Kenneth D. Ivie or Paula Ivie* is the owner of
Six Shares of the Capital Stock of

LITTLE RED CREEK IRRIGATION CO.

*transferable only on the Books of the Corporation on surrender
of this Certificate properly endorsed*

*In Witness Whereof the said Corporation has caused this Certificate to be
signed by its duly authorized officers and its Corporate Seal to be hereunto
affixed*

this *12* day of *February* A.D. 19*99*

Mary Baum, Secy. Roy Baum, Pres.

SHARES

EACH

INCORPORATED UNDER THE LAWS OF

UTAH

NUMBER

168

SHARES

100

LITTLE RED CREEK IRRIGATION CO.

FRUITLAND, UTAH

*This Certifies that Fruitland Water Improvement Co. is the owner of
one hundred Shares of the Capital Stock of*

LITTLE RED CREEK IRRIGATION CO.

*transferable only on the Books of the Corporation on surrender
of this Certificate properly endorsed*

*In Witness Whereof the said Corporation has caused this Certificate to be
signed by its duly authorized officers and its Corporate Seal to be hereunto
affixed*

this 26 day of December A.D. 19 89

Mary J. Baum Secretary Ray J. Baum Pres.

SHARES

EACH



ENTRY NO. 297596
DATE 11-24-93 TIME 3:15 BOOK A-232 PAGE 794
FEE \$ 10.00
RECORDED AT REQUEST OF Office, Fruithland, UT 81027
DUCHESSNE COUNTY RECORDER (handwritten signature) DEPUTY

INCORPORATED UNDER THE LAWS OF

UTAH

NUMBER

198

SHARES

14

LITTLE RED CREEK IRRIGATION CO.

FRUITLAND, UTAH

This Certifies that Fruitland Special Service Dist. is the owner of
fourteen Shares of the Capital Stock of

LITTLE RED CREEK IRRIGATION CO.

*transferable only on the Books of the Corporation on surrender
of this Certificate properly endorsed*

*In Witness Whereof the said Corporation has caused this Certificate to be
signed by its duly authorized officers and its Corporate Seal to be hereunto
affixed*

this ~~11th~~ 11 day of Sept A.D. 1908
Ray Baum Robert Baum

SHARES

14

EACH

INCORPORATED UNDER THE LAWS OF

UTAH

NUMBER

194

SHARES

28

LITTLE RED CREEK IRRIGATION CO.

FRUITLAND, UTAH

This Certifies that FRUITLAND SPECIAL SERVICE DISTRICT *is the owner of*
TWENTY EIGHT *Shares of the Capital Stock of*
LITTLE RED CREEK IRRIGATION CO.

*transferable only on the Books of the Corporation on surrender
of this Certificate properly endorsed*

*In Witness Whereof the said Corporation has caused this Certificate to be
signed by its duly authorized officers and its Corporate Seal to be hereunto
affixed*

this 14 *day of* APRIL A.D. 1906

Ray Baum *Robert Baum*

SHARES

28

EACH

INCORPORATED UNDER THE LAWS OF

UTAH

NUMBER

196

SHARES

28

LITTLE RED CREEK IRRIGATION CO.

FRUITLAND, UTAH

This Certifies that FRUITLAND SPECIFIC SERVICE DISTRICT *is the owner of*
TWENTY EIGHT *Shares of the Capital Stock of*

LITTLE RED CREEK IRRIGATION CO.

transferable only on the Books of the Corporation on surrender
of this Certificate properly endorsed

In Witness Whereof the said Corporation has caused this Certificate to be
signed by its duly authorized officers and its Corporate Seal to be hereunto
affixed

this 4 *day of* FEBRUARY *A.D.* 1908

Ray Bauman *Rollie Bauman*

SHARES

EACH

INCORPORATED UNDER THE LAWS OF

UTAH

NUMBER

200

SHARES

9

LITTLE RED CREEK IRRIGATION CO.

FRUITLAND, UTAH

This Certifies that FRUITLAND SPECIAL WATER DISTRICT is the owner of
Nine Shares of the Capital Stock of

LITTLE RED CREEK IRRIGATION CO.

*transferable only on the Books of the Corporation on surrender
of this Certificate properly endorsed*

*In Witness Whereof the said Corporation has caused this Certificate to be
signed by its duly authorized officers and its Corporate Seal to be hereunto
affixed*

this 1 day of APRIL A.D. 1910
Robert Bacon Ray Bacon

SHARES

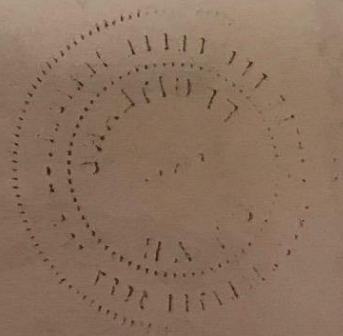
9

EACH

Please Transfer ownership of these 15 shares of
Little Red Creek Irrigation water & the
Frontland Special Service District. February 7th 1997

Leonard B Walker

Barbara M. Walker



INCORPORATED UNDER THE LAWS OF

UTAH

NUMBER

179

SHARES

15

LITTLE RED CREEK IRRIGATION CO.

FRUITLAND, UTAH

*This Certifies that Leonard B Walker & Barbara Walker is the owner of
fifteen Shares of the Capital Stock of*

LITTLE RED CREEK IRRIGATION CO.

*transferable only on the Books of the Corporation on surrender
of this Certificate properly endorsed*

*In Witness Whereof the said Corporation has caused this Certificate to be
signed by its duly authorized officers and its Corporate Seal to be hereunto
affixed*

this 15th day of March A.D. 1996

Mary J Baum Secy Treas. Harry J Baum Pres.

SHARES

EACH

Sold to Fruitland SSD

11/18/08

Paula & the
Kumeyaay Tribe



APPENDIX D. CERTIFICATION OF ADOPTION AND MEETING MINUTES

I, Bonner Hardegee, the Chairman of Fruitland Special Service District, hereby certify that the attached Water Conservation Plan – 2022 has been established and adopted by our Fruitland Special Service District on the date listed below.

Bonner Hardegee, Chairman

Date