

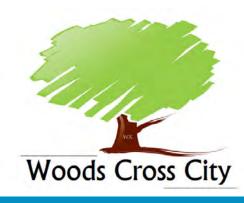




Prepared by:



December 2, 2014



Culinary Water Impact Fee Facilities Plan





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December 2, 2014

Mr. Gary Uresk Woods Cross City 1555 S 800 W Woods Cross, UT 84087

#### RE: Culinary Water Impact Fee Facilities Plan – Executive Summary

Dear Gary,

The Impact Fee Law has changed frequently since initially adopted by the State of Utah Legislature. With this and other changes in the community, Woods Cross City has determined it necessary to update the Culinary Water Impact Fees. J-U-B Engineers, Inc. was commissioned to complete this Impact Fee Facilities Plan (IFFP). As shown in the enclosed certification, this study attempts to address the requirements of the Impact Fee Law.

J-U-B Engineers has done several impact fee related studies in years past for the City. Some major changes with this study are:

- The requirement that only projects to be built in the next 6 to 10 years can be considered for • Impact Fee calculations.
- Reduction in peak day flows have been allowed by the State to better reflect actual flows. .
- The Capacity of the System must be considered with this study for the buy-in of future residents. • This includes Source, Storage, and Distribution. Even though Water Rights are discussed, there is no consideration in the Impact Fees for them.
- A growth rate of 2.4% has been considered for the community into the future. •
- Both the existing 2345 Acres within the City and the additional 251 acres intended for . annexation are considered in this study. This area represents the "at capacity" or built out area for Woods Cross.
- Other studies such as Parks and Storm Water are being revised at this time as well.

This study is a tool used by the Financial Consultant, Lewis Young Robertson & Burningham (LYRB), for their calculation of the actual fees in the Impact Fee Assessment (IFA). This study is a companion to the LYRB Study and both should be adopted and updated together.

Please let us know if you have any questions.

Sincerely, J-U-B ENGINEERS, Inc.

Gregory L Seegmiller, P.E. Project Managor

### WOODS CROSS CITY CORPORATION

### CULINARY WATER IMPACT FEE FACILITIES PLAN (IFFP)

J-U-B #55-13-098

Prepared by:



### Culinary Water Impact Fee Facilities Plan (IFFP) Woods Cross City Corporation Dec 2, 2014

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#### WOODS CROSS CITY CULINARY WATER MASTER PLAN 2014 IMPACT FEE FACILITIES PLAN (IFFP) CERTIFICATION

In accordance with 11-36a-306., Certification of impact fee analysis,

"I certify that the attached impact fee facilities plan:

1. includes only the costs of public facilities that are:

a. allowed under the Impact Fees Act; and

b. actually incurred; or

c. projected to be incurred or encumbered within six years after the day on which each impact fee is paid;

2. does not include:

a. costs of operation and maintenance of public facilities;

b. costs for qualifying public facilities that will raise the level of service for the facilities, through impact fees, above the level of service that is supported by existing residents; or

c. an expense for overhead, unless the expense is calculated pursuant to a methodology that is consistent with generally accepted cost accounting practices and the methodological standards set forth by the federal Office of Management and Budget for federal grant reimbursement; and

complies in each and every relevant respect with the Impact Fees Act."

With the following conditions:

1. All of the recommendations for implementations of the IFFP made in the IFFP documents or in the Impact Fee Analysis documents are followed by City Staff and elected officials.

2. If all or a portion of the IFFP or Impact Fee Analysis are modified or amended, this certification is no longer valid.

3. All information provided to J-U-B is assumed to be correct, complete, and accurate. This includes information provided by the City as well as outside sources.

4. Woods Cross City has agreed that the work performed in preparation of the Impact Fee Facilities Plan meets the industry Standard of Care for such plans.

Signed:

Gregory L Seegmiller, P.E. City Engineer J-U-B Engineers, Inc.

Dec. 2, 2014

Date

#### 1.0 INTRODUCTION

Woods Cross City is located in Davis County, Utah. Since the original law was passed in 1995 for Impact Fees, Woods Cross has had impact fees and connection fees on the books and has been assessing and utilizing these fees.

There have been several master plans and updates done on the system since that time. Most of the upgrades have been accomplished for both future growth projects and deficiency projects. Woods Cross has commissioned JUB Engineers, to evaluate the effectiveness of past projects and to assess for future needs.

#### 1.1 Scope

The Scope of this study is:

1. Evaluate the Sources of water for adequacy into the future, specifically, the Existing system (2013), 10 years into the Future (2023) and "at Capacity".

2. Evaluate the Storage capacity of water storage into the same periods of time.

3. Review the Existing Distribution Model for deficiencies that may arise into the same future periods.

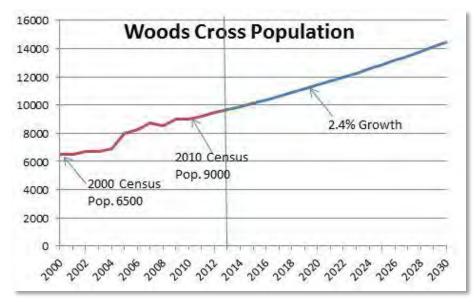
4. Summarize the findings in a report that would include growth projections, and updated cost estimates, and assemble into an Impact Fee Facilities Plan (IFFP) for the City adopt with their Impact Fee Analysis (IFA) to be done by Lewis Young Robertson & Burningham (LYRB).

5. Along with this, the City has worked with the Division of Drinking Water to establish a realistic source flow requirement which is representative of actual use in the City.

6. Additionally, separate from this IFFP, a depreciation plan for aging infrastructure will be assembled.

#### 1.2 Growth Rate

Attempting to determine the future growth rate of a community is difficult as it has so many factors involved in foreseeing the future. Two sources have been investigated the Governor's Office of Planning and Budget shows a growth rate of 1.5%, while the Wasatch Front Regional Council uses a rate of 2.4% to estimate traffic flows in the year 2040. Another evaluation of population done by J-U-B,





has shown a rate of growth between 2000 and 2007 at 2.4% as well.

This study uses a growth rate of 2.4% in projecting growth rate into the future, as shown in Graph 1.2.

#### 2.0 IMAPCT FEE FACILITIES PLAN

Recent changes in the Impact Fee Laws have required different components of this plan to be discussed. As stated in the require Certification, this plan attempts to meet the requirements of the Act. Several components are discussed herein, namely: Service Area Boundary, Demands, Level of Service, Inventory and an estimate of Excess Capacity. Capital improvements, needed for future growth are evaluated for the next 6 to 10 years. These discussions are separated by the different components of a Water System including Source, Storage, and Distribution.

#### 2.1 Service Area

In Appendix B, Figure I shows the service area boundary for the City along with the existing City Limits. The future projects of this study take into account both the current city boundary and the Annexation Declaration for the City. This future area is near the Legacy Highway and 500 South as shown on Future piping model (Figures II) and Capital Facilities Plan (Figure III).



#### 2.2 Demands

Several components of a water system must be considered in the demands. Summarized herein are the demands evaluated in this report. Woods Cross is fairly unique in that Irrigation flows are managed by two irrigation districts for the community. In Water Rights and Distribution, the current capacities exceed the requirements of the State.

#### Table 2.2 - System Demands

		Year 2013	Year 2023	"At Capacity"
	Required/ERU	5393 ERUs	6761 ERUs	10118 ERUs
Water Rights	0.45 Acft/ERU	2427 Acft	3042 Acft	4553 Acft
Source Flow*	400 gpd/ERU	1498 gpm	1878 gpm	2811 gpm
Storage	400 gpd/ERU	1498 gpm	1878 gpm	2811 gpm
Distribution Peak Day	800 gpd/ERU	2996 gpm	3756 gpm	5621 gpm

\*Note: Source flow of half the State require flow reflected in this table (usually 800gpd). As per "Reduction of Peak Day Demand Source Requirements" letter dated Aug 25, 2014.

#### 2.3 Level of Service

The current level of service has been defined by the State. Requirements are given for Source, Treatment, Storage, and Distribution.

#### 2.3.1 Source – Level of Service

Water Source Requirements have typically been defined by the State Division of Drinking Water as 800gpd/ERC, however this recently was approved as a reduction to 400gpd/ERC. This is done in an effort to better match the actual usage needs for the wells and treatment of the City's. Appendix C contains the letter of reduction from the State DDW explaining the conditions.

#### 2.3.2 Treatment – Level of Service

As a part of the system, Woods Cross treats their raw water with Granular Activated Carbon (GAC) for a PCE (Perchloroethylene) contamination plume in the ground water capture zone of the wells. In 2014 the City bonded for and constructed a treatment facility for this purpose. Associated transmission pipes, distribution pipes, filtering, chlorination, GAC treatment and building size were all constructed as part of this system. The Level of Service for the City is that all source water is PCE free, rather than the EPA standard of the minimum 0.5ppm for other water systems. This project was constructed to maintain that level.



#### 2.3.3 Storage – Level of Service

State Rules show 400gpd/ERC as the amount of storage required. This amount is evaluated for the system in a following section.

#### 2.3.4 Distribution – Level of Service

The Distribution System LOS is defined as having pipes adequate to supply fire flow demands combined with peak day user demands. The fire flows are defined by the Fire Marshall and the Uniform Fire Code. The flow rate 2000gpm in residential, commercial, and industrial areas have been defined for the Distribution Level of Service in accordance with the 20-30-40 rule of the Division of Drinking Water.

The State Division of Drinking Water rules describe the 20-30-40 rule that sets the standard for the level of service for water systems.

20 psi pressures in all areas of the system with peak day demands and a fire flow;

30 psi pressures in all areas of the system with instantaneous flows; and

40 psi pressures in all areas of the system with only peak day demands and no fire flow.

All three conditions must be met to satisfy this rule of the State's.

In our evaluation of the system, these requirements met flow requirements in the system. These flows were then evaluated for the years 2013 (Existing Conditions); 2023; and "At Capacity".

In an effort to differentiate between the water usage for multi-family and single family categories, several possibilities were reviewed including census data, meter capacity, and actual metered water use. It was determined that actual metered water usage from the two categories would be the most equitable. Appendix C contains meter flows from both categories for the past three years. No correlation was found in comparing summertime and wintertime flows. The average for the past three years is that Multifamily uses 77% of the Single family use per dwelling unit. For ease in calculation the amount of 75% is used, with a recommendation to continue observing this metric.

#### 2.4 Inventory

The following table is a tabulation of the lineal feet of pipe in the system. There are multiple types of pipe that are not indicated including PVC, Ductile Iron, Cast Iron, HDPE, and techite pipe. Different types have been allowed over time depending upon soil conditions and material availability and economy. No attempts have been made to assess the value of the Water System as current Impact Fee laws require the value to be determined based upon actual cost at the time of construction.

Table 2.4 Pipe Siz	es
Pipe Size	<b>Total Feet</b>
2"	85
4"	7,683
6"	83,901
8"	133,071
10"	19,183
12"	36,190
14"	0
16"	9,167
PRV Stations	6
Fire Hydrants	449

#### 2.5 Excess Capacity

To obtain the overall capacity of the system, three scenarios were observed: the 2013 Flow; 2023 Flow; and "At Capacity" Flow. It is discussed for Source, Treatment, Storage, and Distribution below. Water Rights are not discussed as they are not part of the Impact Fee Calculation.

#### 2.5.1 Source – Excess Capacity

Figure 3.2 shows the capacity of the sources in comparison to the needs. There are four capable sources that have a capacity to handle demands into the future, however, power requirements are such that the wells usually run only at off-peak power times, reducing the average daily flow in peak water days to 1/3 the pump capacity. The Weber Basin source usually runs in the fall time as well, not helping with the peak day demand in the summer. According to Figure 3.2 there is only 24% excess capacity in the Sources (1498gpm used capacity, versus 1961gpm available flow or 76% used capacity). Since GAC treatment is sold 1000gpm increments, well projects are in forecasted in 750 to 1000gpm increments.

#### 2.5.2 Treatment – Excess Capacity

The GAC project, initiated in 2013 was designed with oversized capacity in mind.

	Year 2013		Year	2023	Capacity		
	gpm Percent		gpm	Percent	gpm	Percent	
Pipelines	1498	50%	1878	63%	3000	100%	
<b>Treatment Building</b>	1498	50%	1878	63%	3000	100%	
GAC Trains	1498	75%	1878	94%	2000	100%	

Table 2.5.2 GAC Treatment - Excess Capacity (Treatment plant 1)

As shown on Figure 3.2, this excess capacity is anticipated to be needed in the next ten years. Since GAC treatment is done with vessels sold in 1000gpm increments, future projects are shown in these incremental steps.

#### 2.5.3 Storage – Excess Capacity

The City is currently adequate for Storage requirements. 3.4Mg new storage was constructed in 2009. Figure 3.3 shows the required storage in comparison to the excess capacity. Approximately 8% of the excess storage will be used in the next 10 years.

#### Table 2.5.3 Excess Storage Capacity

	Year 2013	Year 2023	"At Capacity"
Total Storage	7,040,000	7,040,000	7,040,000
Less Fire Storage	630,000	630,000	630,000
Less Emergency	2,500,000	2,500,000	2,500,000
Available Storage	3,910,000	3,910,000	3,910,000
Equilization needs	2,157,200	2,704,429	4,047,388
% used	55%	69%	104%
% Excess Capacity	45%	31%	-4%

\*Fire Storage = 3.5kgpm for 3hrs

#### 2.5.4 Distribution – Excess Capacity

The flow in each pipe was observed and compared to the At-Capacity flow, assuming that flow would represent the highest flow in the system. The percentage of that flow was tabulated and summed for each scenario. Those flows and percentages are summarized in the following table. The percentages may not correlate with that of other models for the City since ERU calculations do not correlate. Based upon the undeveloped property, we assume for this study that At-Capacity or build out will occur around 2040 with 10118 ERU's.

	Year 2013	Year 2023	At-Capacity						
Connections	5393 ERU	6761 ERU	10118 ERU						
Flow	2912 gpm	3636 gpm	5463 gpm						
% of At-Cap	53%	67%	100%						

#### 2.6 Prioritization

Some of the prioritization, as mentioned earlier, is a moving target. Table A-2, in appendix A, is an attempt to allocate need to the time and location needed as best as possible. As development occurs,

the locations of the most needed projects will move. This is done to assist the Impact Fee Assessment in estimating the magnitude of funds needed for the future funds in the next 10 years.

#### 3.0 CULINARY WATER SYSTEM COMPONENTS

The components of Water Rights, Source, Storage and Distribution are discussed below for the Water System. Appendix A contains a figure for the existing system and also the future system. Wells, Tanks and pipes are shown on these figures based upon the models and evaluation of the system.

#### 3.1 Water Rights

Table 3.1 shows water rights owned by the City. These rights are in excess of the amount required for indoor use of the system. All rights are in good standing with the State Division of Water Rights. This information is shown for reference and not part of the IFFP nor calculated in the IFA.

#### WR# Flow (cfs) Flow(gpm) Volume (AF) Priority Date Proof Due Description 31-3971 Well #3 1447.93 10/29/1969 897.6 31-2091 Well #2 0.5 224.4 361.98 5/5/1960 2540.2 31-4569 Well #4 and #5 5.66 4097.65 2/15/1979 9/30/2023 31-5209 Well #4 and #5 2/15/1979 9/30/2023 4.34 1947.8 3142.02 Well #1 0.668 483.61 6/13/1934 31-2398 299.8 31-3849 Well #1 0.25 112.2 180.99 10/19/1966 12/17/1953 31-2084 Well #1 0.303 136.0 219.36 31-2059 Well #1, #2, #3, #4, #5 0.4604 206.6 333.31 00/00/1905 5/31/2019 0.1572 113.81 00/00/1896 5/31/2019 31-2068 Well #1, #2, #3, #4, #5 70.6 31-2069 Well #1, #2, #3, #4, #5 0.3524 158.2 255.13 00/00/1896 5/31/2019 31-2070 Well #1, #2, #3, #4, #5 0.103 46.2 74.57 00/00/1900 5/31/2019 Well #1, #2, #3, #4, #5 00/00/1896 5/31/2019 31-2071 0.1801 80.8 130.39 31-2145 Well #1, #2, #3, #4, #5 0.2857 128.2 206.84 00/00/1886 5/31/2019 31-2147 Well #1, #2, #3, #4, #5 0.3524 158.2 255.13 00/00/1896 5/31/2019 0.1249 31-2148 Well #1, #2, #3, #4, #5 56.1 90.42 00/00/1896 5/31/2019 31-2149 Well #1, #2, #3, #4, #5 0.1572 70.6 113.81 00/00/1896 5/31/2019 31-2150 Well #1, #2, #3, #4, #5 0.1572 70.6 113.81 00/00/1896 5/31/2019 TOTAL 16.0515 7203.9 11620.76

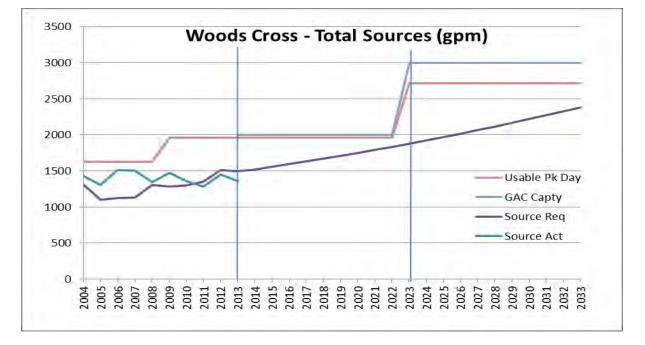
#### Table 3.1 - Woods Cross City Water Rights Summary

Revision Date: May 13, 2014

#### **3.2 Source Improvements**

Woods Cross Water has several sources of water. They include, several wells and one contract from Weber Basin Water. The wells are used continually throughout the year. The contract water from Weber Basin is a "use or loose" contract. The small amount of contract water is also used until the contract is filled.

The following figure 3.2 summarizes the sources and their input for several recent years and estimates future needs. The "Source Act" line on the graph shows the actual usage of the system. The "Source Required" line is based upon the amount of 400 gallons per day required by the State. A copy of the letter from the State is included in Appendix C. This line is projected into the future to estimate when future sources and treatments will be needed. "GAC Capacity" plots the capacity of the treatment plant. A new train of GAC vessles (1000gpm) will be needed in 2023 for future needs. "Total Source" refers to the capacity of the wells and sources available. Table 3.2 summarizes those sources.



#### Figure 3.2 Water Sources (GPM)

#### Table 3.2 Existing Water Sources (gpm)

	Source			Usable Pk	Usable Pk	Usable Pk
	Capacity	Status	Available	Day Flow	Day Flow	Day Flow
Source	(gpm)		Flow (gpm)	Pre2009**	2010***	2023
Well #1	500	PCE*		0	0	0
Well #2	234	PCE*		0	0	0
Well #3	984	Treated	984	328	328	328
Well #4	1300	Treated	1300	1300	1300	1300
Well #5	1000	Clean	1000	0	333	333
WBW	300	Clean	300	0	0	0
New #6		New	New	0	0	750
TOTAL	4318		3584	1628	1961	2711

Note: \*Well not used due to PCE contamination

\*\*Well #4 used all day and #3 used 8 hours at night

\*\*\*Well #4 used all day with #3 and #5 used 8 hours at night

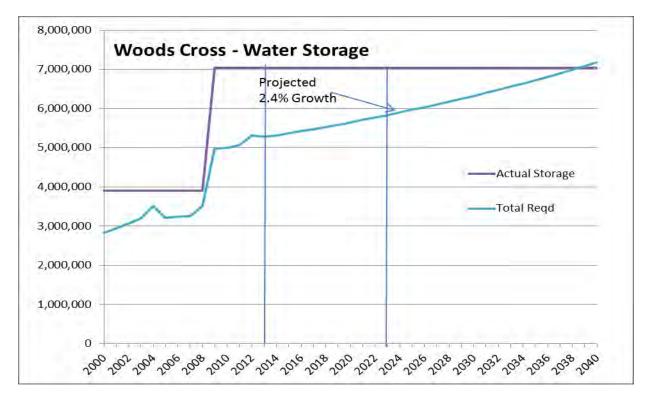
The above projections in Figure 3.2, show that the supply will be inadequate by the year 2029. At capacity, the City will be delinquent by as much as 2000 Acre feet or 1239gpm. We have indicated two new wells to account for this need. Both should be capable of around 700 to 1000gpm so they won't need to run constantly. We have two additional projects which are for the property purchase and Drinking Water Source Protection work required for the new wells.

#### 3.3 Storage Improvements

The City maintains water reservoirs throughout the system. They are summarized in Table 3.3.

Table 3.3 Water Storage							
Tank Name	Volume (gal)						
1500 S 0.5MG	500,000						
1500 S 3.14MG	3,140,000						
2600 S	1,300,000						
2600 S.	1,050,000						
2600 S	1,050,000						
TOTAL	7,040,000						

This study assumes that Irrigation needs remain fairly constant due to the pressurized irrigation systems in the area. It also assumes that the Fire Flow requirements remain constant as well. Figure 3.3 shows the storage requirement vs actual storage. The 3.14M gallon tank was built in 2009 showing the large increase in actual storage capacity. Based upon this information, it appears as if adequate storage will be available until 2039, unless conditions change. These conditions could include additional fire flow requirements or an increased growth rate.



#### Figure 3.3 Storage

#### **3.4 Distribution Improvements**

Woods Cross City has required that all new developments have 2000gpm fire capacity. This policy has been in place for several years. With the exceptions of a few areas developed prior to this policy, all areas in the current model met this requirement during peak day demands.

Several projects are shown on the Capital Facilities Plan (Figure III in Appendix B) that will be needed as growth occurs. The model showed that, with existing demands, the existing pipes were adequate. Table A-1 (in Appendix A) summarizes the cost of the projects and assigns the sources of funds in the three categories discussed in section 4.0, below.



#### 4.0 CAPITAL FACILITES PROJECTS

Two differences between a Capital Facilities Plan and an Impact Fee Facilities Plan are that the IFFP projects can only reach out 6 to 10 years into the future and also that IFFP projects can only apply to future growth needs. Capital Facilities Plans can include other time horizons so long as the funding comes from other sources. The Figure III in appendix B is a Capital Facilities plan since it includes more projects for the water system. The priority table A-2 in Appendix A defines which of the projects are considered part of the IFFP.

Table A-1 in appendix A shows the project listing and responsibility allocation for the projects discussed in this report. Cost estimates are shown in three areas of responsibilities: The first is Existing System Deficiencies. These are for projects that would be needed today if no other development were to come along. In our review of the System, there were no existing deficiencies in capacity since the model of existing system is able to meet the demands of the exiting users. There are deficiencies as they relate to the age and longevity of the system. These are not calculated into the Impact Fee as discussed earlier.

The second category is for Future Growth for new development. This category would be used for impact fee calculations. Some efforts have been made to determine when some increments of oversizing will be

required which are shown in the individual cost estimate. All these projects are considered System Improvements.

The third is for Developer Base Cost. This is for projects that would be within new development areas, where the contractor would be responsible for a minimum 8" main as a Project Improvement, but the City would need a larger main as a System Improvement.

Table A-2 is used to assign a time frame and priority to the project for the next 10 years. This is done to help gauge the demand on funds and possible need of other sources. Efforts had been made to assign the projects to the time and location where the project may be needed. However, the priority for many of the projects may shift depending upon where development is occurring. Furthermore, most of the future growth will happen in new areas requiring oversize infrastructure to be extended to those areas necessitating many of these projects being built before the ERU's require them.

#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

There were 18 projects evaluated with this report. A summary of the costs of the projects is included in the summary table A-1 in Appendix A. The total cost of the projects is about \$14 Million.

Our recommendations are as follows:

- 1. The City should pursue a plan that will provide funding for these projects. This plan should include several possibilities including: Impact Fees adoption or updates, Grants, Loans and development agreements.
- 2. The City Council needs to be appraised often of these projects and their need. This may include an annual update while working on the budget.
- 3. The City needs to secure a financial consultant who can take this information from this study and calculate the legally acceptable impact fees that would then be adopted by the City.
- 4. We recommend that Woods Cross City share this plan with other adjacent Cities and Utilities within the Boundary in order to coordinate projects that may affect several entities. These include, but are not limited to: South Davis Sewer District, Weber Basin Secondary Water, UDOT, Davis County, West Bountiful, North Salt Lake and Bountiful, Gas, Phone, Power, and Internet.
- 5. We recommend that the City establish a fund for at least the purchase of Right-of-way as properties change hands over time, in accordance with this Master Plan
- 6. The City Attorney may need to confirm these recommendations and follow up with any additional recommendations.
- 7. We recommend that these projects and fees be reviewed at least every other year, to keep them current with City needs.



### **APPENDIX A – COST ESTIMATES**

Woods Cross City Corporation Culinary Water Impact Fee Facilities Plan Revision Date: Dec 2, 2014



Table A-1

Project			Existing	IFFP New	Development	Beyond IFFP	Total Estimate
Number	Project Location	Project Description	Deficiencies	Development	Base Cost	Projects	Cost
CW-01	GAC Treatment Plant	Third GAC Train in the building				\$462,000	\$462,000
CW-02	1100 W-1500S to 600S	12" mainline		\$509,504			\$509,504
CW-03	1100 W to new Well	Transmission pipe from new well				\$81,016	\$81,016
CW-04	Well #6 below 1100W	Develop Well w/GAC treatment				\$3,517,800	\$3,517,800
CW-05	1050S from 1200 to 1450	Upsized Main		\$64,862	\$204,789		\$269,651
CW-06	1050S from 1450 to Redwd	Upsized Main		\$79,282	\$206,824		\$286,106
CW-07	2600S from 1300W to Rdwd	Upsized Main	\$378,428	\$231,940			\$610,368
CW-08	Redwood from 2600 to 2000	Upsized Main	\$295,632	\$181,194			\$476,825
CW-09	Redwood from 2000 to 1500	Upsized Main	\$180,888	\$110,867			\$291,754
CW-10	1500S Tank site	Construct New 1.5M gal tank				\$2,401,200	\$2,401,200
CW-11	Mt View Blvd near school	Upsized Main		\$72,528	\$189,203		\$261,731
CW-12	Mt View to 500 S	Upsized Main		\$100,064	\$261,035		\$361,099
CW-13	1800 W and 400 S	Upsized Main and crossing		\$111,349	\$430,891		\$542,240
CW-14	Well#7-1450 W and 500 S	Develop Well w/GAC treatment				\$3,517,800	\$3,517,800
CW-15	1900 South, 1425 W to 1300 W	Upsize Main for Future growth		\$173,640			\$173,640
CW-16	1500 South, 1250 W to 1100 W	Upsize Main for Future growth	\$124,332	\$76,203			\$200,535
CW-17	1450W-1000S to 500S	Install New 10" Waterline		\$24,634	\$149,189		\$173,823
CW-18	450S from Redwood to 1500W	Install New 10" Waterline		\$31,941	\$191,647		\$223,588
		TOTAL ESTIMATES	\$979,279	\$1,768,008	\$1,633,577	\$9,979,816	\$14,360,680

Notes: "IFFP New Development" indicates System Improvements in the next 10 years. "Developer Base Cost" indicates projects

improvements that may need oversizing for future development outside of the existing development. Some assumptions have been

made on minimum pipe sizing, however, the developer must take care of their development inspite of these assumptions.

"Existing Deficiency" indicates System Improvements that are currently deficient, independent of any new growth.

"Beyond IFFP Projects" indicate System Improvements beyond the 10 year window.

#### Woods Cross - Culinary Water IFFP Project Schedule Revision Date: Oct 13, 2014



Table A-2

Proj#	Project Location	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Beyond
CW-01	GAC Treatment Plant						\$462,000					
CW-02	1100 W-1500S to 600S					\$509,504						
CW-03	1100 W to new Well										\$81,016	
CW-04	Well #6 below 1100W			\$99,000						\$3,418,800		
CW-05	1050S from 1200 to 1450								\$269,651			
CW-06	1050S from 1450 to Redwd				\$286,106							
CW-07	2600S from 1300W to Rdwd	\$610,368										
CW-08	Redwood from 2600 to 2000							\$476,825				
CW-09	Redwood from 2000 to 1500				\$291,754							
CW-10	1500S Tank site											\$2,401,200
CW-11	Mt View Blvd near school			\$261,731								
CW-12	Mt View to 500 S			\$361,099								
CW-13	1800 W and 400 S		\$542,240									
CW-14	Well#7-1450 W and 500 S					\$99,000						\$3,418,800
CW-15	1900 South, 1425 W to 1300	W							\$173,640			
CW-16	1500 South, 1250 W to 1100	W				\$200,535						
CW-17	1450W-1000S to 500S						\$173,823					
CW-18	450S from Redwood to 1500	W			\$223,588							
	TOTAL	\$610,368	\$542,240	\$721,830	\$801,448	\$809,039	\$635,823	\$476,825	\$443,291	\$3,418,800	\$81,016	\$5,820,000

TOTAL ALL PROJECTS \$14,360,680



Proj #:CW-01Location:GAC Treatment PlantDescription:Third GAC Train in the building

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	Additional train of GACAS tanks (1000gpm)		1	LS	\$350,000.00	\$350,000.00

Subtotal	\$350,000.00
25% Contingency	\$87,500.00
7% Engineering	\$24,500.00

Total Estimate Cost	\$462,000.00
---------------------	--------------



 Proj #:
 CW-02

 Location:
 1100 W-1500S to 600S

 Description:
 12" Main Line

ltem	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	814	745	LF	\$83.00	\$61,835.00
2	12" Main Line	816	416	LF	\$83.00	\$34,528.00
3	12" Main Line	819	403	LF	\$83.00	\$33,449.00
4	12" Main Line	301	1261.75	LF	\$83.00	\$104,725.25
5	12" Main Line	P561	321.21	LF	\$83.00	\$26,660.43
6	6" Connection		1	EA	\$3,500.00	\$3,500.00
7	8" Connection		2	EA	\$4,000.00	\$8,000.00
8	Asphalt Replacement		25175.68	SF	\$4.00	\$100,702.72
9	Sawcut Asphalt		12587.84	SF	\$1.00	\$12,587.84

Subtotal	\$385,988.24
25% Contingency	\$96,497.06
7% Engineering	\$27,019.18

Total Estimate Cost \$509,504.48



# Proj #:CW-03Location:1100 W to new WellDescription:Transmission pipe from new well

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	Upsizing 8" to 12" Pipes	555	712	LF	\$23.00	\$16,376.00
2	12" PRV Station		1	LS	\$45,000.00	\$45,000.00
				Si	ubtotal	\$61,376.00
				25% C	ontingency	\$15,344.00
				7% E	ngineering	\$4,296.32

Total Estimate Cost \$81,016.32



Proj #:CW-04Location:Well #6 below 1100WDescription:Develop Well w/GAC treatment

Item	Description	Quantity	Units	Price	Cost
1	Well site property	1.5	Ac	\$50,000.00	\$75,000.00
2	Engineering for DWSP and Waterrights	1	LS	\$50,000.00	\$50,000.00
3	Well Drilling 100gpm 300' deep; 16" dia.	1	LS	\$250,000.00	\$250,000.00
4	Pump House/Treatment building	4500	SF	\$368.00	\$1,656,000.00
5	Well pump 1000gpm 250Hd	1	LS	\$154,000.00	\$154,000.00
6	GACAS train 1000 gpm	1	LS	\$350,000.00	\$350,000.00
7	Sodium Hypochlorite 1000gpm	1	LS	\$130,000.00	\$130,000.00

Subtotal	\$2,665,000.00
25% Contingency	\$666,250.00
7% Engineering	\$186,550.00

Total Estimate Cost \$3,517,800.00

1	Property portion from above	1.5	Ac	\$50,000.00	\$75,000.00
		32	\$24,000.00		
		Total			\$99,000.00
		Remaind	der Porti	on (less Prpty)	\$3,418,800.00



Proj #:CW-05Location:1050S from 1200 to 1450Description:Upsized Main

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	P591	802.95	LF	\$83.00	\$66,644.85
2	12" Main Line	P589	1116.1	LF	\$83.00	\$92,636.30
3	12" PRV Station		1	LS	\$45,000.00	\$45,000.00
-						\$204,281.15
						\$51,070.29
				7% E	ngineering	\$14,299.68
				Total I	Project Cost	\$269,651.12
Developer's	Base Cost					
1	8" Main line	P591	802.95	LF	\$60.00	\$48,177.00
2	8" Main line	P589	1116.1	LF	\$60.00	\$66,966.00
3	8" PRV Station		1	LS	\$40,000.00	\$40,000.00
				S	ubtotal	\$155,143.00
				25% C	Contingency	\$38,785.75
						\$10,860.01
				Total E	stimate Cost	\$204,788.76

Difference (New Development Cost) \$64,862.36



## Proj #:CW-06Location:1050S from 1450 to RedwdDescription:Upsized Main

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	P635	415.18	LF	\$83.00	\$34,459.94
2	12" Main Line	P633	473.11	LF	\$83.00	\$39,268.13
3	12" Main Line	P631	646.72	LF	\$83.00	\$53,677.76
4	12" Main Line	P629	516.49	LF	\$83.00	\$42,868.67
5	12" Main Line	P627	559.91	LF	\$83.00	\$46,472.53
					1.1.1.1	6246 747 02

 Subtotal
 \$216,747.03

 25% Contingency
 \$54,186.76

 7% Engineering
 \$15,172.29

 Total Project Cost
 \$286,106.08

**Developer Base Cost** 

Beveloper						
1	8" Main Line	P635	415.18	LF	\$60.00	\$24,910.80
2	8" Main Line	P633	473.11	LF	\$60.00	\$28,386.60
3	8" Main Line	P631	646.72	LF	\$60.00	\$38,803.20
4	8" Main Line	P629	516.49	LF	\$60.00	\$30,989.40
5	8" Main Line	P627	559.91	LF	\$60.00	\$33,594.60
					ubtotal	\$156,684.60

 25% Contingency
 \$39,171.15

 7% Engineering
 \$10,967.92

 Total Estimate Cost
 \$206,823.67

Difference (New Development Cost) \$79,282.41



## Proj #:CW-07Location:2600S from 1300W to Rdwd

Description: Upsized Main

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	10" Main Line	1605	731.28	LF	\$70.00	\$51,189.60
2	10" Main Line	P671	327.81	LF	\$70.00	\$22,946.70
3	10" Main Line	1601	894	LF	\$70.00	\$62 <i>,</i> 580.00
4	10" Main Line	33	370.51	LF	\$70.00	\$25,935.70
5	10" Main Line	37	555.25	LF	\$70.00	\$38,867.50
6	10" Main Line	1701	1091.33	LF	\$70.00	\$76,393.10
7	10" Main Line	P735	268.23	LF	\$70.00	\$18,776.10
8	10" Main Line	P737	372.21	LF	\$70.00	\$26,054.70
9	Asphalt Replacement		31034.72	SF	\$4.00	\$124,138.88
10	Sawcut Asphalt		15517.36	SF	\$1.00	\$15,517.36
				S	ubtotal	\$462,399.64
					Contingency	\$115,599.91
					ingineering	\$32,367.97
				Total	Project Cost	\$610,367.52

0				
	% of Capacity: 62%	Existing Deficiency Cost	\$378,427.87	
		New Development Cost	\$231,939.66	



## Proj #:CW-08Location:Redwood from 2600 to 2000

Description: 12 Main Line

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	P159	274.93	LF	\$83.00	\$22,819.19
2	12" Main Line	P157	663.02	LF	\$83.00	\$55,030.66
3	12" Main Line	P155	283.94	LF	\$83.00	\$23,567.02
4	12" Main Line	P471	180.49	LF	\$83.00	\$14,980.67
5	12" Main Line	P153	737.99	LF	\$83.00	\$61,253.17
6	12" Main Line	P315	327.46	LF	\$83.00	\$27,179.18
7	12" Main Line		956	LF	\$83.00	\$79,348.00
8	Asphalt Replacement		17122.96	SF	\$4.00	\$68,491.84
9	Sawcut Asphalt		8561.48	SF	\$1.00	\$8,561.48
				S	ubtotal	\$361,231.21
				25% C	Contingency	\$90,307.80
				7% E	ngineering	\$25,286.18
				Total E	stimate Cost	\$476,825.20

growth.	bwth. The replace portion of the old line is based on the population percent of at-capacity growth:				
	% of Capacity: 62%	Existing Deficiency Cost	\$295,631.62		
		New Development Cost	\$181,193.57		



7% Engineering Total Estimate Cost \$15,471.81

\$291,754.11

# Proj #:CW-09Location:Redwood from 2000 to 1500Description:12" Main Line

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	P151	584.25	LF	\$83.00	\$48,492.75
2	12" Main Line	P149	673.11	LF	\$83.00	\$55,868.13
3	12" Main Line	P147	600	LF	\$83.00	\$49,800.00
4	Asphalt Replacement		14858.88	SF	\$4.00	\$59 <i>,</i> 435.52
5	Sawcut Asphalt		7429.44	SF	\$1.00	\$7,429.44
					ubtotal	\$221,025.84
				25% C	ontingency	\$55,256.46

 The replace portion of the old line is based on the popu	aution percent of at capacity grow	
% of Capacity: 62%	Existing Deficiency Cost	\$180,887.55
	New Development Cost	\$110,866.56



Proj #:CW-10Location:1500S Tank siteDescription:Construct New 1.5M gal tank

ltem	Description	Quantity	Units	Price	Cost
1	Demolition of two 500k existing tanks	1	LS	\$30,000.00	\$30,000.00
2	Construct 1.5Mgal Rectangular Tank	1500000	gal	\$1.14	\$1,710,000.00
3					
4					
5					
6					
7					
			S	ubtotal	\$1,740,000.00
			25% C	Contingency	\$435,000.00
			13% E	Ingineering	\$226,200.00
			Total E	stimate Cost	\$2,401,200.00

,	I I	1 1 7 0	
	% of Capacity: 62%	Existing Deficiency Cost	\$1,488,744.00
		New Development Cost	\$912,456.00



## Proj #:CW-11Location:Mt View Blvd near school

Description: Upsized Main

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	P181	805.78	LF	\$83.00	\$66,879.74
2	12" Main Line	P467	333.54	LF	\$83.00	\$27,683.82
3	12" Main Line	P479	341.57	LF	\$83.00	\$28,350.31
4	12" Main Line	P183	626.28	LF	\$83.00	\$51,981.24
5	12" Main Line	P481	281.76	LF	\$83.00	\$23,386.08
				C.	htatal	¢100 201 10

Subtotal	\$198,281.19
25% Contingency	\$49,570.30
7% Engineering	\$13,879.68
Total Estimate Cost	\$261,731.17

**Development Base Cost** 

1	8" Main Line	P181	805.78	LF	\$60.00	\$48,346.80
2	8" Main Line	P467	333.54	LF	\$60.00	\$20,012.40
3	8" Main Line	P479	341.57	LF	\$60.00	\$20,494.20
4	8" Main Line	P183	626.28	LF	\$60.00	\$37,576.80
5	8" Main Line	P481	281.76	LF	\$60.00	\$16,905.60
					ubtotal	\$143,335.80

25% Contingency	\$35,833.95
7% Engineering	\$10,033.51
Total Estimate Cost	\$189,203.26

Difference (New Development Cost) \$72,527.91



## Proj #:CW-12Location:Mt View to 500 SDescription:Upsized Main

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	P707	352.84	LF	\$83.00	\$29,285.72
2	12" Main Line	P711	604.17	LF	\$83.00	\$50,146.11
3	12" Main Line	P713	1322.39	LF	\$83.00	\$109,758.37
4	12" Main Line	P717	704.84	LF	\$83.00	\$58,501.72
5	12" Main Line	P279	311.66	LF	\$83.00	\$25 <i>,</i> 867.78
				Si	uhtotal	\$273 559 70

 Subtotal
 \$273,559.70

 25% Contingency
 \$68,389.93

 7% Engineering
 \$19,149.18

 Total Project Cost
 \$361,098.80

**Developer Base Cost** 

Berelopei Be						
1	8" Main Line	P707	352.84	LF	\$60.00	\$21,170.40
2	8" Main Line	P711	604.17	LF	\$60.00	\$36,250.20
3	8" Main Line	P713	1322.39	LF	\$60.00	\$79,343.40
4	8" Main Line	P717	704.84	LF	\$60.00	\$42,290.40
5	8" Main Line	P279	311.66	LF	\$60.00	\$18,699.60
				S	ubtotal	\$197,754.00
						1

 25% Contingency
 \$49,438.50

 7% Engineering
 \$13,842.78

 Total Estimate Cost
 \$261,035.28

Difference (New Development Cost) \$100,063.52



Proj #:CW-13Location:1800 W and 400 SDescription:Upsized Main and crossing

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	10" Main Line	P219	1185.06	LF	\$70.00	\$82,954.20
2	10" Main Line	P731	1003.58	LF	\$70.00	\$70,250.60
3	12" Main Line	P283	1356.88	LF	\$83.00	\$112,621.04
4	12" Main Line	P223	620.02	LF	\$83.00	\$51,461.66
5	Boring		170	LF	\$550.00	\$93,500.00
					ubtotal	\$410,787.50
				250/ 0	ontingonau	¢102 606 99

 25% Contingency
 \$102,696.88

 7% Engineering
 \$28,755.13

 Total Project Cost
 \$542,239.50

**Developer Base Cost** 

1	8" Main Line	P219	1185.06	LF	\$60.00	\$71,103.60
2	8" Main Line	P731	1003.58	LF	\$60.00	\$60,214.80
3	8" Main Line	P283	1356.88	LF	\$60.00	\$81,412.80
4	8" Main Line	P223	620.02	LF	\$60.00	\$37,201.20
5	Boring		170	LF	\$450.00	\$76,500.00
				Si	ubtotal	\$326,432.40
				25% C	ontingency	\$81,608.10

 25% Contingency
 \$81,608.10

 7% Engineering
 \$22,850.27

 Total Estimate Cost
 \$430,890.77

Difference (New Development Cost) \$111,348.73



Proj #: CW-14 Location: Well#7-1450 W and 500 S Description: Develop Well w/GAC treatment

ltem	Description	Quantity	Units	Price	Cost
1	Well site property	1.5	Ac	\$50,000.00	\$75,000.00
2	Engineering for DWSP and Waterrights	1	LS	\$50,000.00	\$50,000.00
3	Well Drilling 100gpm 300' deep; 16" dia.	1	LS	\$250,000.00	\$250,000.00
4	Pump House/Treatment building	4500	SF	\$368.00	\$1,656,000.00
5	Well pump 1000gpm 250Hd	1	LS	\$154,000.00	\$154,000.00
6	GACAS train 1000 gpm	1	LS	\$350,000.00	\$350,000.00
7	Sodium Hypochlorite 1000gpm	1	LS	\$130,000.00	\$130,000.00
			S	Subtotal	\$2,665,000.00
			25% (	Contingency	\$666,250.00
			7% E	Engineering	\$186,550.00

Total Estimate Cost \$3,517,800.00

1	Property portion from above	1.5	Ac	\$50,000.00	\$75,000.00
-		3	32% Contingency & Engr		\$24,000.00
				Total	\$99,000.00
		Remain	der Port	ion (less Prpty)	\$3,418,800.00



## Proj #:CW-15Location:1900 South, 1425 W to 1300 WDescription:8" Main Line

ltem	Description	Pipe ID	Quantity	Units	Price	Cost
1	8" Main Line	1201	953.6	LF	\$60.00	\$57,216.00
2	8" PRV Station		1	LS	\$40,000.00	\$40,000.00
3	Asphalt Replacement		7628.8	SF	\$4.00	\$30,515.20
4	Sawcut Asphalt		3814.4	SF	\$1.00	\$3,814.40
				S	ubtotal	\$131,545.60
				25% (	Contingency	\$32,886.40
				7% E	ngineering	\$9,208.19
				Total E	stimate Cost	\$173,640.19



Proj #:CW-16Location:1500 South, 1250 W to 1100 WDescription:12" Main Line

ltem	Description	Pipe ID	Quantity	Units	Price	Cost
1	12" Main Line	P129	404	LF	\$83.00	\$33,532.00
2	12" Main Line	P127	111.75	LF	\$83.00	\$9,275.25
3	12" Main Line	60810D	1	LF	\$83.00	\$83.00
4	12" Main Line	60810U	1	LF	\$83.00	\$83.00
5	12" Main Line	247	115.25	LF	\$83.00	\$9,565.75
6	12" Main Line	811	263	LF	\$83.00	\$21,829.00
7	12" Main Line	822	236	LF	\$83.00	\$19,588.00
8	12" PRV Station		1	LS	\$45,000.00	\$45,000.00
8	Asphalt Replacement		1888	SF	\$4.00	\$7,552.00
9	Sawcut Asphalt		944	SF	\$1.00	\$944.00
					Subtotal	\$147,452.00
				25%	Contingency	\$36,863.00
		4%	Buy America	\$5,898.08		
		7%	6 Engineering	\$10,321.64		
				Total E	stimate Cost	\$200,534.72

Note: The computer model shows the exiting pipes adequate for current demand. Additional upsize is for both

future growth	. The replace portion	of the old line is based	d on the population	percent of at-capacity growth:
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% of Capacity: 62%	Existing Deficiency Cost \$12	24,331.53
	New Development Cost \$	76,203.19



Proj #: CW-17

Location: 1450W-1000S to 500S

Description: Install New 10" Waterline

Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	10" Main Line	203	15	LF	\$70.00	\$1,050.00
2	10" Main Line	325	312.28	LF	\$70.00	\$21,859.60
3	10" Main Line	P555	316.84	LF	\$70.00	\$22,178.80
4	10" Main Line	P553	316.87	LF	\$70.00	\$22,180.90
5	10" Main Line	P547	325.52	LF	\$70.00	\$22,786.40
6	10" Main Line	P551	313.39	LF	\$70.00	\$21,937.30
7	10" Main Line	P557	281.3	LF	\$70.00	\$19,691.00
				Si	ubtotal	\$131,684.00

3	LF \$70.00		\$19,691.00
	S	ubtotal	\$131,684.00
	25% C	ontingency	\$32,921.00
	7% E	ngineering	\$9,217.88
	Total E	stimate Cost	\$173,822.88

#### **Developer Base Cost**

1	10" Main Line	203	15	LF	\$70.00	\$1,050.00
2	8" Main Line	325	312.28	LF	\$60.00	\$18,736.80
3	8" Main Line	P555	316.84	LF	\$60.00	\$19,010.40
4	8" Main Line	P553	316.87	LF	\$60.00	\$19,012.20
5	8" Main Line	P547	325.52	LF	\$60.00	\$19,531.20
6	8" Main Line	P551	313.39	LF	\$60.00	\$18,803.40
7	8" Main Line	P557	281.3	LF	\$60.00	\$16,878.00
				6	let et et	6112 022 00

.39	LF	Ş60.00	\$18,803.40			
1.3	LF	\$60.00	\$16,878.00			
	S	ubtotal	\$113,022.00			
	25% C	Contingency	\$28,255.50			
	7% E	ngineering	\$7,911.54			
	Total E	stimate Cost	\$149,189.04			

Difference (New Development Cost) \$24,633.84



Proj #: CW-18

Location: 450S from Redwood to 1500W

Description: Install New 10" Waterline

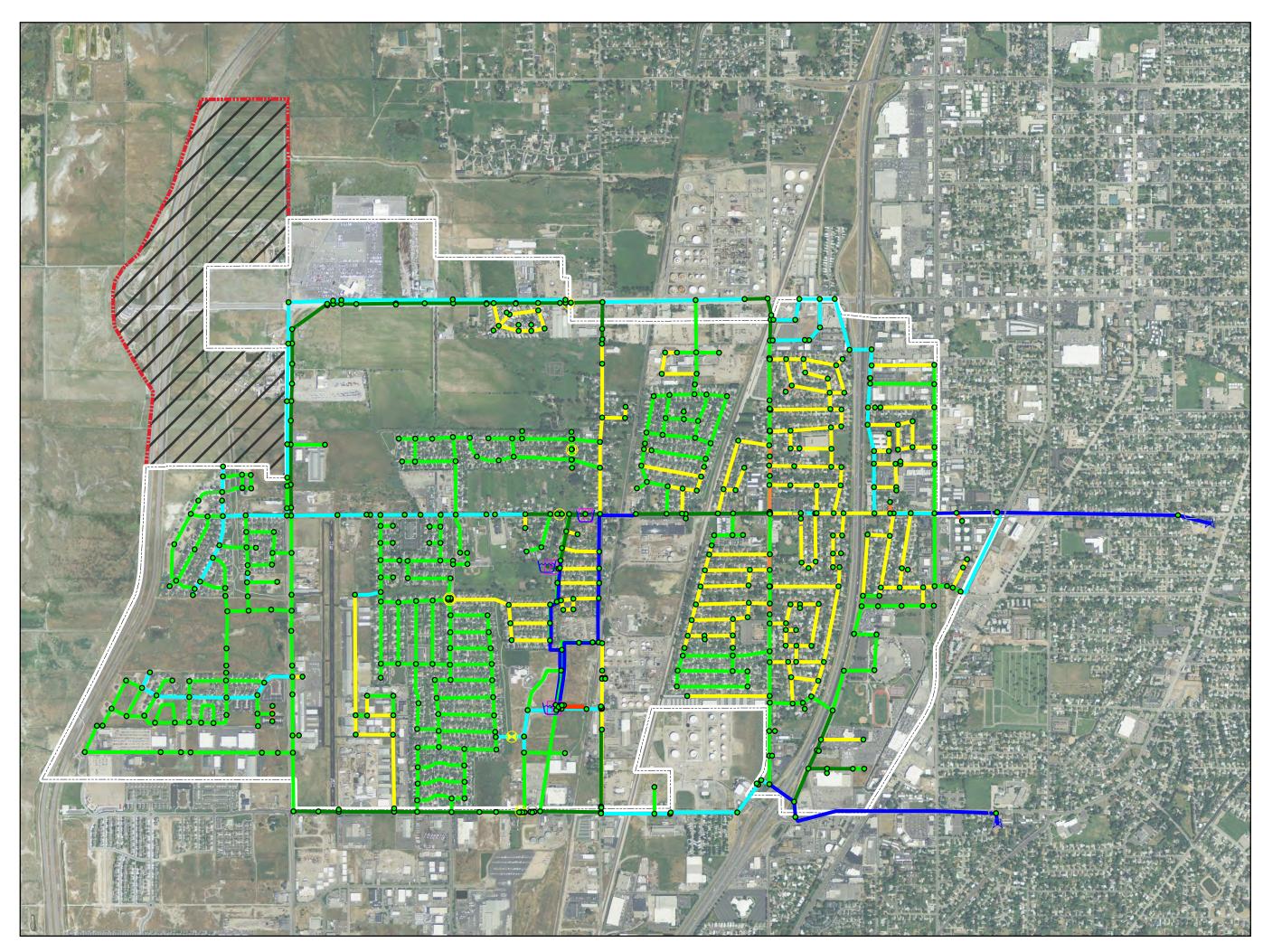
Item	Description	Pipe ID	Quantity	Units	Price	Cost
1	10" Main Line	P217	683.3	LF	\$70.00	\$47,831.00
2	10" Main Line	P879	1736.48	LF	\$70.00	\$121,553.60
					ubtotal	\$169,384.60
					ontingency	\$42,346.15
					ngineering	\$11,856.92
				Total F	Project Cost	\$223,587.67

**Developer Base Cost** 

1	8" Main Line	P217	683.3	LF	\$60.00	\$40,998.00
2	8" Main Line	P879	1736.48	LF	\$60.00	\$104,188.80
				Subtotal		\$145,186.80
				25% C	Contingency	\$36,296.70
				7% Engineering		\$10,163.08
				Total E	stimate Cost	\$191,646.58

Difference (New Development Cost) \$31,941.10

## **APPENDIX B – FIGURES**



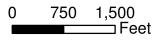


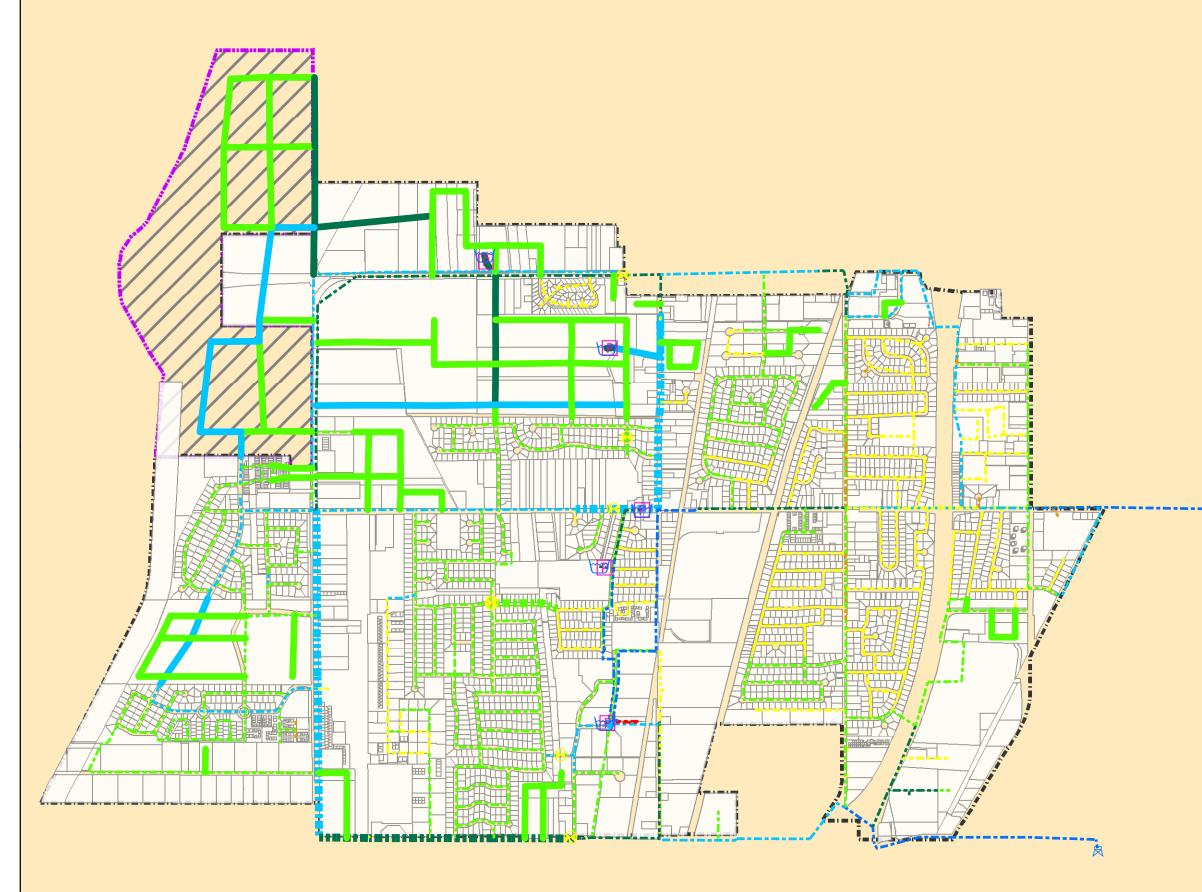
# WOODS CROSS CITY

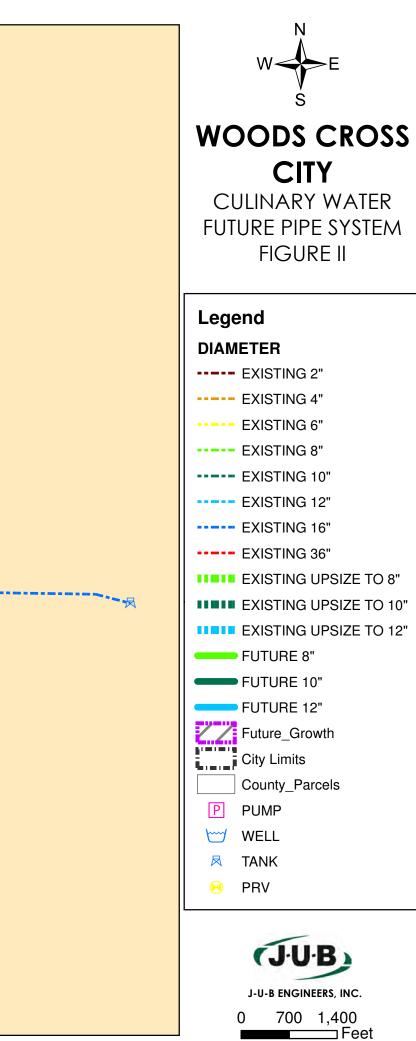
## CULINARY WATER EXISTING PIPE SYSTEM FIGURE I

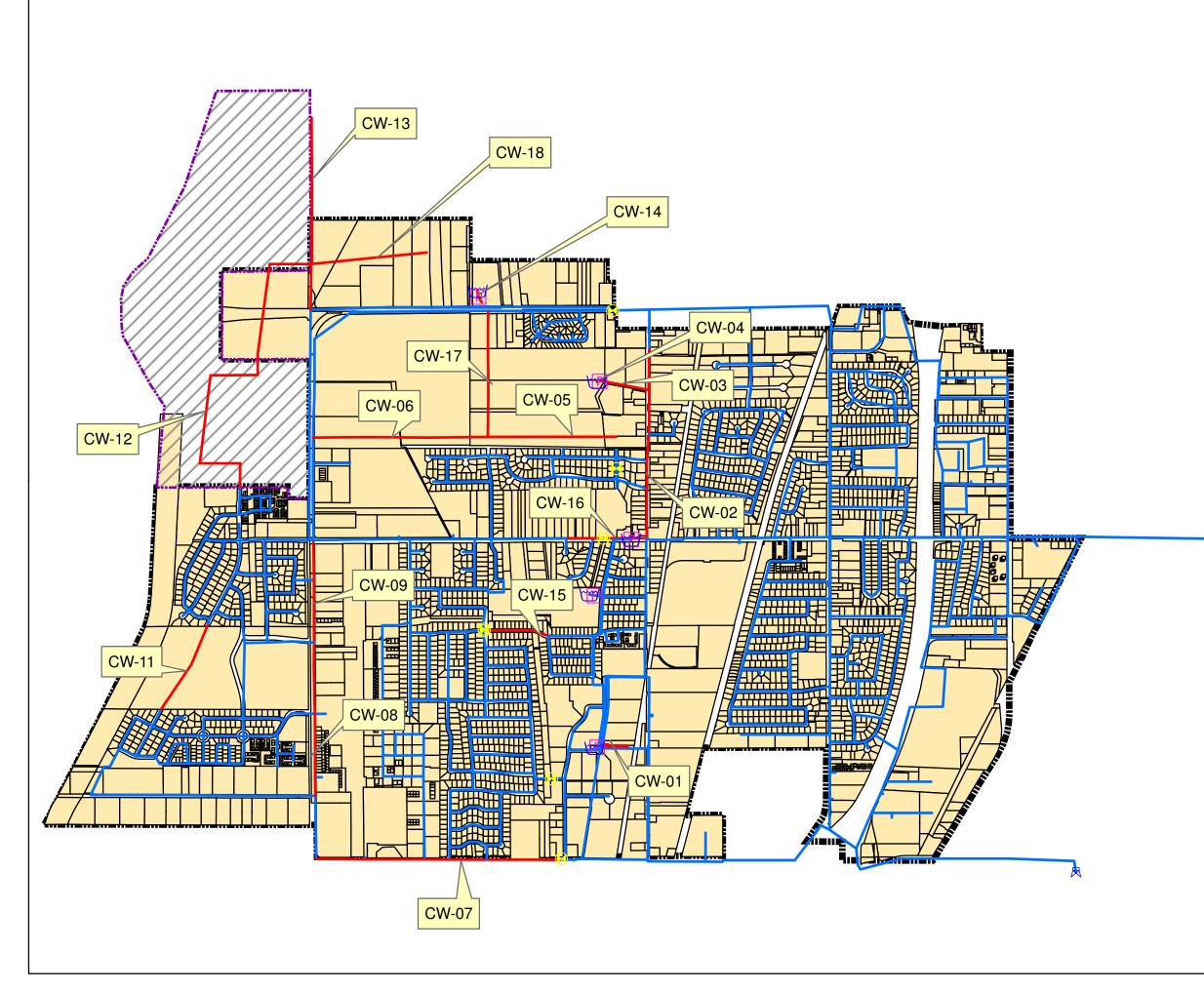
Legend
RUN_DIAM
2.00
4.00
6.00
8.00
<b>——</b> 12.00
<b>——</b> 16.00
<b>——</b> 18.00
36.00
City Limits
Future_Growth

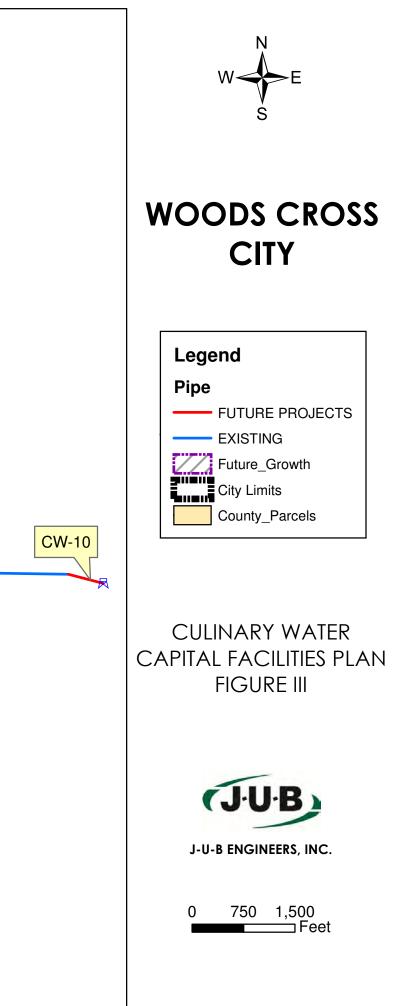










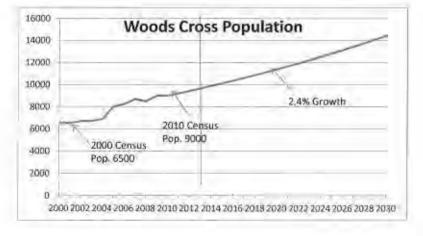


## APPENDIX C – DATA/DOCUMENTATION

#### Woods Cross City Water Impact Fee Facilities Plan Growth Projections Revision Date: Dec 2013

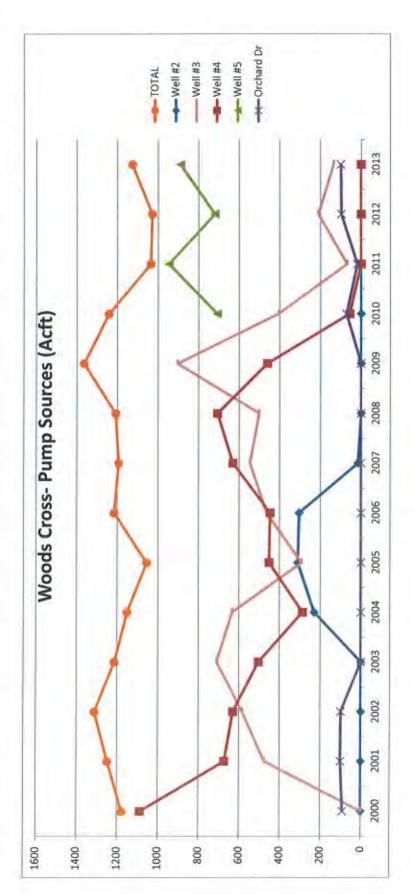
#### TABLE C1

Future Growth Rate		Population	Connections	ERUS
2,4%	2000	6500	1953	2974
Connectn to ERU ratic	2001	6500	2158	3287
1.523	2002	6700	2363	3599
	2003	6700	2575	3922
	2004	6900	3085	4698
	2005	8000	2500	3960
	2006	8250	2652	4039
	2007	8700	2672	4069
	2008	8500	3198	4710
	2009	9000	3188	4619
Census:	2010	9,000	3240	4663
	2011	9,216	3375	4858
	2012	9,437	3416	5439
	2013	9,664	3502	5393
	2014	9,896	3586	5462
	2015	10,133	3672	5593
	2016	10,376	3760	5727
	2017	10,625	3850	5864
	2018	10,880	3943	6005
	2019	11,141	4038	6149
	2020	11,409	4134	6297
	2021	11,683	4234	6448
	2022	11,963	4335	6603
	2023	12,250	4439	6761
	2024	12,544	4546	6923
	2025	12,845	4655	7089
	2026	13,154	4767	7260
	2027	13,469	4881	7434
	2028	13,792	4998	7612
	2029		5118	7795
	2030	14,462	5241	7982
	2031	14,810	5367	8174
	2032	15,165	\$496	8370
	2033	15,529	5627	8571
	2034	15,902	5763	8776
	2035	16,283	5901	8987
	2036	16,674	6042	
	2037	17,074	6187	9424
	2038		6336	9650
	2039	17,904	6488	9881
	2040	18,333	6644	10118



Water Impact Fee I Source Projections	Water Impact Fee Facilities Plan Source Projections	lities Plan														
Revision	Revision Date: Dec 2013	13				TABLE C2										ACFT
Sources (Acft)	Acft)	2000	2001	2002	2003	2004	2005	2006	2005				1100	6106	ACFT	Pump
	Well #2	0	0	0	0	230.62	31115	304.0	15 71	0007	0		TTOT	2102		timedan y
						40.004			1			2		>	2	17
	Well #3	0	474.92	583.88	710.39	633.75	291.99	463.87	546.2			404.37		210.54	135.7	
	Well #4	1087.58	672.84	629.53	503.34	286.43	451.94	446.84	630.98			55.95	0	0	0	27
	Well #5											708.92	947.51	720.52	890.9	1612
	Orchard Di 89.95 100.27 98.62	89.95	100.27	98.62	0	0	0	0	0	0	0	72.28	19.4	98	100.1 10	100
Flouride	W.B. Mete	0	0	0	0	0	0	0	0	0	0	0	0			
	TOTAL	1177.53	1177.53 1248.03 1312.03 1213.73	1312.03	1213.73	1150.8	1055.08	1150.8 1055.08 1215.61 1192.89	1192.89	-	1208.13 1363.9 1241.5	1241.5	5 1035.8 10	1029.1	1126.7 10	100 6022

Woods Cross City



## Woods Cross City

Water Impact Fee Facilities Illan Water Source Projections Revision Date: Dec 2013

Revision Date: D	and the second s		TABLE C3				Peak Day				Usable	
Source Reg"d   ERU ratio	400 gpd		Acre-Ft	GPM	gal/yr	Peak Day GPM	GPM Avg*PF=		Acre-Ft	Available	Available Total Pk Sc	the second second
cho rano	Connection ERU			Source Re		Source Act	WAR IL-	Z Contract	Contraction of the second	Usable Pk		gpm
2000	1953	2974			383725000		1460.14	and the second se				
2001	2158		1472.505	and the second second	405700000							
2002	2363	3599		The balance when a	427553000							
2003	2575	3922			395521000							
2004	3085	4698			375015000							
2005	2500	3960			343820431							
2006	2652	4039	and the second se	and the second second	396110000					10010.1		
2007	2672	4069			395591000							
2008	3198	4710			352969000	100 C						
2009	3188	4619			387716000							
2010	3240	4663			356240291							
2011	3375	4858			337515000							
2012	3416	5439			379991127	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
2013	3502	5393			356357000							
2014	3586.048	5462		1517.098		- everance	0000031	100			• · · · · · · · · · · · · · · · · · · ·	
2015	3672.113	5593	and the second second	1553.508				100				
2016	3760 244	5727		1590.792				100				
2017	3850.49	5864		1628.971				100	6022			
2018	3942.901	6005						100				
2019	4037.531	6149	and the second second	and the second s				100				
2020	4134.432	6297	2821.117	1749.094				100	6022	6122	1961.33	200
2021	4233.658	6448	2888.824	1791.073				100	6022			
2022	4335.265	6603						100	6022			
2023	4439.312	6761						100				
2024	4545.856		3101.851					100				
2025	4654,956	7089	3176.295	1969.305				100	6022			
2026	4766.675	7260						100	6022			
2027	4881.075	7434	3330,587	2064,965				100	6022	5122	2711.33	300
2028	4998.721	7612	3410.521	2114.525				100	6022		and the second sec	
2029	5118.179	7795	3492.373	2165.274				100	6022		2711.33	
2030	5241.015	7982	3576.19	2217.241				100	6022	6122	2711.33	300
2031	5366.799	8174	3662.019	2270.454				100	6022	6122	2711.33	300
2032	5495,603	B370	3749.907	2324.945				100	6022	6122	2711.33	300
2033	5627.497	8571						100	6022	6122	2711.33	
2034	5762.557	8776	- The Californian Date	2437.882				100	6022	6122	2711.33	
2035	5900.858	8987						100	6022			
2036	6042.479	9203	4123.067					100	6022	6122	2711.33	
2037	6187.498	9424						100			2711.33	300
2038		9650						100				300
2039	6488 062	9881						100	6022		2711.33	300
2040	6643.776 1	0118	and the second sec					100	6022	6122		300

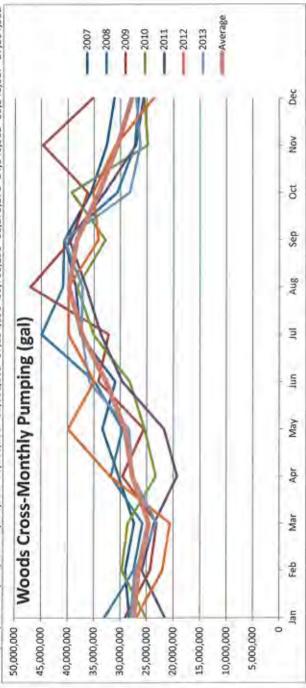
## Woods Cross City Water Impact Fee Facilities Plan Storage (Gallons) Revision Date: Dec 2013

## TABLE C4

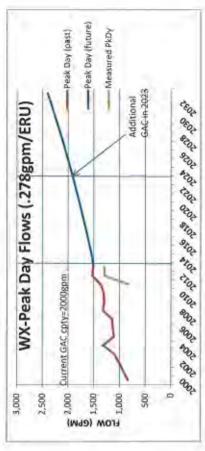
Indoor Storage:	400 gpd/ERU					1	
Fire Storage:	3.5kgpm/3hrs		(Indoor rard)			0.0000	
	Connection I		Equilization	Fire Suppression		Total Regd	
2000		2974		630,000	1,000,000		
2001		3287	1,314,654	630,000	1,000,000	and the second se	
2002	2363	3599	1,439,540	630,000	1,000,000	3,069,540	3,900,000
2003		3922		630,000	1,000,000		3,900,000
2004	3085	4698	1,879,382	630,000	1,000,000	3,509,382	3,900,00
2005	2600	3960	1,583,920	630,000	1,000,000	3,213,920	3,900,00
2006	2652	4039	1,615,598	630,000	1,000,000	3,245,598	3,900,00
2007	2672	4069	1,627,782	630,000	1,000,000	3,257,782	3,900,00
2008	3198	4710	1,884,000	630,000	1,000,000	3,514,000	3,900,00
2009	3188	4619	1,847,600	630,000	2,500,000	4,977,600	7,040,00
2010	3240	4663	1,865,200	630,000	2,500,000	4,995,200	7,040,00
2011	3375	4858	1,943,200	630,000	2,500,000	5,073,200	7,040,00
2012	3416	5439	2,175,600	630,000	2,500,000	5,305,600	7,040,00
2013	3502	5393	2,157,200	630,000	2,500,000	5,287,200	7,040,00
2014	3586	5462	2,184,620	630,000	2,500,000	5,314,620	7,040,00
2015	3672	5593	2,237,051	630,000	2,500,000	5,367,051	7,040,00
2016	3760	5727	2,290,741	630,000	2,500,000	5,420,741	7,040,00
2017	3850	5864	2,345,718	630,000	2,500,000	5,475,718	7,040,00
2018	3943	6005	2,402,016	630,000	2,500,000	5,532,016	7,040,00
2019	4038	6149	2,459,664	630,000	2,500,000	5,589,664	7,040,00
2020	4134	6297	2,518,696	630,000	2,500,000	5,648,696	7,040,00
2021	4234	6448	2,579,145	630,000	2,500,000		7,040,00
2022		6603	2,641,044	630,000	2,500,000	and the second sec	7,040,00
2023	4439	6761	2,704,429	630,000	2,500,000	5,834,429	7,040,00
2024	4546	6923	2,769,335	630,000	2,500,000	and the second se	7,040,00
2025		7089	2,835,799	630,000	2,500,000	and the second second	7,040,00
2026	4767	7260	2,903,859	630,000	2,500,000	6,033,859	7,040,00
2027	4881	7434	2,973,551	630,000	2,500,000	6,103,551	7,040,00
2028	4998	7612	3,044,916	630,000	2,500,000	6,174,916	7,040,00
2029	5118	7795	3,117,994	630,000	2,500,000	6,247,994	7,040,00
2030	5241	7982	3,192,826	630,000	2,500,000	6,322,826	7,040,00
2031	5367	8174	the second se	630,000	2,500,000	6,399,454	7,040,00
2032	5496	8370	3,347,921	630,000	2,500,000	6,477,921	
2033	5627	8571	3,428,271	630,000	2,500,000	6,558,271	7,040,00
2034	5763	8776	3,510,550	630,000	2,500,000	6,640,550	7,040,00
2035		8987	3,594,803	630,000	2,500,000	6,724,803	7,040,00
2036	6042	9203	3,681,078	630,000	2,500,000	6,811,078	7,040,00
2037	6187	9424	3,769,424	630,000	2,500,000	6,899,424	7,040,00
2038	6336	9650		630,000	2,500,000	6,989,890	7,040,00
2039	6488	9881	3,952,528	630,000	2,500,000	7,082,528	7,040,00
2040	6644	10118	and the second sec	630,000	2,500,000		7,040,000

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Pumped A	Pumped Amounts- Gallons	ons												
						Table CS								Peak Mont
	Jan	Feb	Mar	Apr	May	Jun	Iut	Aug	Sep	Oct	Nov	Dec	TOTAL	(gpd)
2007	28,236,000	2007 28,236,000 29,039,000 27,404,000 30,329,000 33,413,000 31,005,000 37,526,000 38,481,000 40,598,000 35,632,000 32,634,000 31,194,000 395,591,000 1,353,267	27,404,000	30,329,000	33,413,000	31,005,000	37,626,000	38,481,000	40,598,000	35,632,000	32,634,000	31,194,000	395,591,000	1,353,267
2008	32,954,261	2008 32,954,261 27,499,887 25,819,772 31,814,183 29,645,034 34,859,392 44,953,084 40,908,807 40,688,792 30,640,102 27,290,873 26,622,827 393,697,014 1,450,099	25,819,772	31,814,183	29,645,034	34,859,392	44,953,084	40,908,807	40,688,792	30,640,102	27,290,873	26,622,827	393,697,014	1,450,099
2009	29,073,000	2009 29,073,000 24,370,000 23,138,000 29,606,000 25,552,000 34,138,000 32,236,000 47,048,000 39,278,000 36,245,000 44,703,000 35,229,000 400,616,000 1,517,677	23,138,000	29,606,000	25,552,000	34,138,000	32,236,000	47,048,000	39,278,000	36,245,000	44,703,000	35,229,000	400,616,000	1,517,677
2010	25,106,000	2010 25,106,000 29,718,000 28,612,370 23,322,244 25,416,451 28,234,960 35,111,331 38,198,656 32,854,005 39,277,274 24,854,000 25,535,000 356,240,291 1,309,242	28,612,370	23,322,244	25,416,451	28,234,960	35,111,331	38,198,656	32,854,005	39,277,274	24,854,000	25,535,000	356,240,291	1,309,242
2011	21,548,000	2011 21,548,000 25,909,000 23,618,000 19,277,000 21,769,000 29,640,000 33,701,000 36,506,000 39,720,000 33,039,000 27,103,000 25,685,000 337,515,000 1,324,000	23,618,000	19,277,000	21,769,000	29,640,000	33,701,000	36,506,000	39,720,000	33,039,000	27,103,000	25,685,000	337,515,000	1,324,000
2012	26,937,755	2012 26,937,755 22,036,336 20,609,774 31,924,603 39,924,603 34,963,384 39,790,001 39,790,001 34,148,304 35,179,137 30,935,509 23,751,720 379,991,127 1,330,820	20,609,774	31,924,603	39,924,603	34,963,384	39,790,001	39,790,001	34,148,304	35,179,137	30,935,509	23,751,720	379,991,127	1,330,820
2013	28,001,341	2013 28,001,341 27,250,915 23,207,460 27,605,642 28,401,311 35,938,886 37,365,453 37,214,610 40,639,099 28,274,158 26,266,736 27,037,118 367,202,729 1,354,637	23,207,460	27,605,642	28,401,311	35,938,886	37,365,453	37,214,610	40,639,099	28,274,158	26,266,736	27,037,118	367,202,729	1,354,637
Average	27,408,051	Average 27,408,051 26,546,163 24,629,911 27,696,953 29,160,200 32,682,803 37,254,696 39,735,296 38,275,171 34,040,953 30,541,017 27,864,952 375,836,166	24,629,911	27,696,953	29,160,200	32,682,803	37,254,696	39,735,296	38,275,171	34,040,953	30,541,017	27,864,952	375,836,166	
		and some search												



Bit         Average         Peak Day         P	Water Distribution Projections Revision Date: Dec 2013	on Projecti ec 2013	Water Distribution Projections Revision Date: Dec 2013		TABLE C6		
0.28 gim/FNU         Average         Feak Day         Feak Day         Reak Day	re flow	0.19					
D         Average         Feak Day         Feak Day         Feak Day         Restrints           Connections         FUus         Flow gpm         Flow gpm         Recordig           1         1513         2374         565         833         Recordig           2         23653         35599         684         1,008         Recordig           2         2555         4039         767         1,131         Recordig           2         2560         39560         752         1,109         Recordig           2         2552         4039         767         1,131         Recordig           2         2560         39560         773         1,131         Recordig           2         2553         1,131         1,131         Recordig         Recordig           3         3158         4710         895         1,306         Recordig           3         31523         1,131         1,523         L         L           3         3165         5333         1,055         L         L           3         3165         5333         1,056         L         L           3         3501         5333	eak day	0.28 81	pm/ERU				
Connections         Ellow gpm         Flow gpm         Record ig           1953         2974         565         833		-		Average	Peak Day	Peak Day	
1233         2.287         5.26         9.03           2575         3352         745         1,008           2575         3352         745         1,038           2652         4638         752         1,131           2652         4039         757         1,131           2652         4039         757         1,131           2652         4039         757         1,131           2652         4039         773         1,139           2652         4058         773         1,139           2652         4058         773         1,139           2118         4613         876         1,306           3155         4853         923         1,360           3164         543         1025         1,510         1           2014         5462         1,510         1,510         1           2015         5433         1025         1,510         1,510         1           2014         5463         1025         1,510         1,560         1,560           2015         5143         1,510         1,510         1,510         1,510           2014         546		1.1	RUS 707A	Flow gpm	Flow g		Record(gpm
24136     3539     6.84     9.00       2515     3539     6.84     9.00       2575     3922     745     1,008       2652     4698     773     1,131       2652     4039     767     1,131       2652     4039     767     1,131       2672     4069     773     1,139       2672     4069     773     1,139       2672     4063     773     1,139       2673     4619     878     1,293       31375     4613     878     1,293       31416     5433     1025     1,316       3151     5433     1025     1,510     1       3161     5433     1025     1,510     1       2013     6149     1,510     1,566       2014     5462     1,510     1,566       2015     5463     1,025     1,510       2016     6297     1,510     1,566       2017     5864     1,510     1,566       2018     6005     1,510     1,500       2019     6149     1,510     1,500       2014     2025     743     2,733       2025     5603     2,033     2,733	1000	0110	FUE2	COC		J	
2503         3532         745         1,000           2672         4039         757         1,131           2672         4059         773         1,131           2672         4059         773         1,131           2672         4059         773         1,131           2672         4059         773         1,131           2672         4053         878         1,293           3138         4619         878         1,293           31415         5433         1033         1,523           31415         5433         1025         1,510         1,510           3240         4663         886         1,306           3375         5361         5333         1,523           2014         5462         1,510         1,510           2015         5433         1025         1,510           2015         5303         1025         1,510           2015         5443         1,722           2016         543         1,533           2015         6403         1,542           2015         5443         1,772           2016         543	2002	0017	1070	470			
2775         5322         743         1,008           2652         4058         833         1,313           2652         4058         752         1,133           2652         4058         753         1,133           2652         4058         773         1,133           2652         4058         773         1,133           2652         4058         773         1,133           2653         4619         878         1,293           3156         5439         1025         1,306           3375         4858         923         1,510         1           2014         5462         733         1,523         1           2015         5439         1025         1,510         1           2015         5433         1025         1,510         1           2015         5433         1025         1,510         1           2014         5462         733         1,523         1,580           2015         6418         1,026         1,500         1,510           2015         6418         1,523         1,583         1,533           2013         2022	2002	2012	RACC	1004			
3085         4698         893         1,316           2657         4069         752         1,109           2657         4069         757         1,131           2657         4069         757         1,139           2657         4069         773         1,139           2657         4619         878         1,293           3176         4613         866         1,306           3175         4858         923         1,529           3175         4858         923         1,529           3176         5462         5727         1,510           2014         5463         1033         1,523           2015         5593         1025         1,510         1,510           2017         5864         1,510         1,529           2017         5864         1,510         1,520           2017         5864         1,510         1,520           2017         5864         1,506         1,510           2016         5727         5403         1,523           2021         6418         1,523         1,520           2022         6203         1,510	5005	00	7765				
2600         3960         752         1,131           2652         4039         767         1,131           2672         4069         773         1,139           3198         4619         878         1,293           3140         4663         878         1,293           3240         4663         866         1,306           3415         5433         1025         1,510           3157         4858         923         1,523           3502         5393         1025         1,510           2014         5462         1,529         1,529           2015         5593         1025         1,510         1           2016         5727         1,529         1,529           2017         5864         1,529         1,510           2018         6005         1,510         1,529           2016         5727         1,529         1,510           2017         5864         1,523         1,510           2018         6005         1,510         1,523           2013         2021         6448         1,563           2022         6603         1,7163	2004	3085	4698				
2652         4039         767         1,131           2672         4069         773         1,139           2672         4069         773         1,139           3198         4619         878         1,293           3140         4663         886         1,306           3375         4858         923         1,360           3416         5433         1033         1,523           3502         5393         1025         1,510         1           2014         5462         1,510         1,523           2015         5593         1,523         1,523           2017         5864         1,520         1,529           2017         5864         1,523         1,523           2018         5727         1,520         1,523           2013         6149         1,523         1,523           2013         2,023         6149         1,722           2014         546         1,505         1,533           2022         6603         1,505         1,533           2023         6149         1,722         1,564           2023         6503         2,033	2005	2600	3960			3	
2672         4069         773         1,139           3198         4710         895         1,319           3188         4619         878         1,293           3240         4663         886         1,306           3375         4858         923         1,360           3416         5433         1033         1,523           3502         5393         1025         1,510         1           2014         5462         1,510         1,523         1,520           2015         5593         1025         1,510         1,529           2017         5864         1,510         1,529         1,529           2018         6005         1,510         1,529         1,520           2017         5864         1,505         1,520         1,529           2013         6149         1,520         1,520         1,520           2013         2021         6403         1,681         1,523           2022         6403         1,681         1,505         1,505           2023         6761         7448         2,023         2,033           2022         7434         2,023         2	2006	2652	4039	191			
3198         4710         895         1,319           3188         4613         878         1,293           3240         4663         886         1,306           3375         4858         923         1,510           3416         5439         1033         1,523           3502         5393         1025         1,510           2014         5462         1,510         1,510           2015         5727         1,523         1,523           2017         5864         1,510         1,510           2018         6005         1,510         1,510           2019         6149         1,510         1,510           2013         6143         1,523         1,510           2014         5461         1,510         1,510           2015         5143         1,222         1,510           2021         6403         1,510         1,722           2022         6503         1,510         1,723           2023         6761         1,642         1,642           2023         6761         1,642         1,723           2024         7434         2023         1,933	2007	2672	4069	773			
3188         4619         878         1,293           3240         4663         886         1,306           3375         4858         923         1,360           3416         5439         1033         1,523           3502         5393         1025         1,510         1,510           2014         5462         1,350         1,510         1,529           2017         5864         1,306         1,529         1,550           2017         5864         1,510         1,510         1           2017         5864         1,510         1,504         1,529           2017         5864         1,510         1,529         1,552           2018         6005         1,493         1,523           2013         6149         1,510         1,564           2021         6403         1,513         1,722           2022         6603         1,684         1,683           2023         6761         1,681         1,633           2023         2051         7448         2,033           2023         2024         2,033         2,133           2023         7434         2	2008	3198	4710	895			
3240         4663         886         1,306           3375         4858         923         1,510           3416         5439         1033         1,523           3502         5393         1025         1,510         1,510           2014         5462         1,510         1,510         1           2015         5593         1025         1,510         1,529           2017         5864         1,510         1,529         1,550           2017         5864         1,510         1,561         1,529           2017         5864         1,510         1,529         1,529           2017         5864         1,510         1,529         1,529           2017         5864         1,510         1,580         1,552           2013         6149         1,572         1,580         1,539           2021         6403         1,772         1,681         1,553           2022         6603         1,7805         1,993         1,753           2023         6761         7448         2,033         2,033           2024         7434         2,023         2,133         2,033	2009	3188	4619	878			
3375       4858       923       1,360         3416       5439       1033       1,523       1         2014       5462       1033       1,510       1,510       1         2015       5593       1025       1,510       1,510       1         2016       5727       5864       1,510       1,510       1         2017       5864       1,510       1,510       1         2018       6005       5727       1,500       1,510       1         2019       6149       1,510       1,529       1,504       1,520       1         2015       6503       6143       1,510       1,513       1,523       1,566<	2010	3240	4663	886			
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3502         5393         1025         1,510         1,510           2014         5462         1,510         1,510           2015         5593         1025         1,510           2017         5864         1,510         1,510           2017         5864         1,510         1,516           2017         5864         1,510         1,510           2017         5864         1,510         1,510           2018         6005         5149         1,510           2019         6149         1,510         1,510           2021         6403         1,510         1,513           2021         6403         1,510         1,539           2022         6503         1,849         1,339           2023         6761         1,849         1,333           2024         6923         1,339         1,333           2025         7434         2,033         2,033           2026         7434         2,033         2,131           2023         8174         2,033         2,133           2023         8174         2,033         2,235           2033         2034         <	2012	3416	5439				1,29
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2028 7612 2029 7795 2030 7982 2031 8174 2033 8571 2035 8370 2035 9203 2037 9424 2039 9650 2039 9881	2027	2027	7434			2,081	
2029 7795 2030 7982 2031 8174 2033 8571 2035 8571 2035 9203 2037 9424 2039 9650 2039 9881	2028	2028	7612			2,131	
2030 7982 2031 8174 2033 8571 2033 8571 2035 9203 2035 9203 2037 9424 2039 9650 2039 9881	2029	2029	2644			2,183	
2031 8174 2032 8370 2033 8571 2035 8987 2035 9203 2037 9424 2038 9650 2039 9881	DEDZ	2030	7982			2,235	10
2032 8370 2033 8571 2034 8776 2035 9203 2036 9203 2037 9424 2039 9650 2039 9881	1502	2031	8174			2,289	
2033 8571 2034 8776 2035 8987 2036 9203 2037 9424 2038 9650 2039 9881	2032	2032	8370			2,344	
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2036 9203 2037 9424 2038 9650 2039 9881	2035	2035	8987			2,516	10
2037 9424 2038 9650 2039 9881	2036	2036	9203			2,577	
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2039 9881	2038	2038	9650			2,702	51
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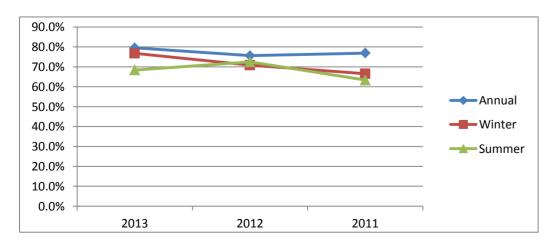


## Woods Cross Water System Land Use demands

				Table C-7				
		Residential	Commercial	Industrial	Instituti	<b>City Owned</b>	Total Meter	Pump Info
2008	Units	2,938	219	14	9	16	3,196	-
	YearlyFlo	217,691,000	107,017,000	21,381,000	2,933,000	3,947,000	352,969,000	393,697,014
	gal/Unit	74,095	488,662	1,527,214	325,889	246,688	110,441	
	Ratio	1.00	6.60	20.61	4.40	3.33		1,115
	ERU's	2,938	1444.32	288,56	39.58		4,710	
2009	Units	2,938	211	13	11	15	3,188	1
	YearlyFlo	208,652,000	94,603,000	21,217,000	3,561,000	30,414,000	358,447,000	400,616,000
	gal/Unit	71,018	448,355	1,632,077	323,727	2,027,600	112,436	
	Ratio	1.00	6.31	22.98	4.56	28.55		1.118
_	ERU's	2,938	1332.09	298.75	50.14		4,619	
2010	Units	2,979	207	13	11	30	3,240	
	YearlyFlo	207,510,000	87,261,000	26,531,000	3,513,000	17,093,000	341,908,000	356,240,291
	gal/Unit	69,658	421,551	2,040,846	319,364	569,767	105,527	
	Ratio	1.00	6.05	29.30	4.58	8.18		1.042
	ERU's	2,979	1252.71	380.88	50.43		4,663	
2011	Units	3,123	209	13	30		3,375	()
	YearlyFlo	206,399,000	84,680,000	23,785,000	6,254,000		321,118,000	337,515,000
	gal/Unit	66,090	405,167	1,829,615	208,467		95,146	
	Ratio	1	6.13	27.68	3.15		1.1	1.051
	ERU's	3,123	1281.28	359.89	94.63		4,859	
2012	Units	3,165	208	13	30		3,416	i
	YearlyFlo	210,656,000	88,505,000	34,412,000	28,470,000		362,043,000	379,991,127
1.1	gal/Unit	66,558	425,505	2,647,077	949,000		105,984	
	Ratio	1	6.39	39.77	14.26			1.050
	ERU's	3,165	1329.74	517.02	427.75		5,440	
2013	Units	3,246	211	14	31		3,502	
1000	YearlyFlo	211,278,000	91,000,000	19,036,000	29,687,000		351,001,000	367,202,729
	gal/Unit	65,089	431,280	1,359,714	957,645		100,229	
8	Ratio	1	6.63	20.89	14.71			1.046
	ERU's	3,246	1398.09	292.46	456.10		5,393	
verage	Units	3,065	211	13	20	20		
- 19	YearlyFlo	210,364,333	92,177,667	24,393,667	12,403,000	17,151,333	e	
1	gal/Unit	68,751	436,753			948,018	6	
	Ratio	1.00	6.35	26.87	7.61	13.35		1.070

## Woods Cross City Water Impact Fee Facilities Plan RESIDENTIAL ERU COMPARISON Revision Date: Dec 2014

Nevision E	ale. Dec 2014		Table	e C8				
ANNUAL F	LOWS							
2013	6	gallons	ERU		gal/ERU/yr	gpd		Percent
	Residential	187,898,000		2741	68,551		188	
	Multi Family	23,380,000		429	54,499		149	79.5%
2012								
2012	Residential	187,859,000		2663	70,544		193	
		22,870,000		429			146	75.6%
	water anny	22,070,000		125	55,510		110	/ 5.0/0
2011								
	Residential	183,318,000		2620	69,969	1	192	
	Multi Family	23,081,000		429	53,802		147	76.9%
					3 уеа	r Averag	ge:	0.773217
WINTER F								
Oct 2013-/	•	gallons			gal/ERU/yr			Percent
	Residential	88,871,000		2741	,		178	76.00/
	Multi Family	13,340,000		536	24,888		136	76.8%
Oct 2012-/	Apr 2013							
	Residential	82,241,000		2453	33,527	,	184	
	Multi Family	10,180,000		429	23,730	)	130	70.8%
Oct 2011-/	Apr 2012							
	Residential	25,090,000		2279			60	
	Multi Family	3,140,000		429	7,319		40	66.5%
SUMMER								
Apr- Oct 2		gallons	ERU		gal/ERU/yr	gpd		Percent
7.pr 0002		100,739,000		2802			197	
		13,177,000		536			135	68.4%
Apr-Oct 20	013							
	Residential	97,856,000		2588	37,811		207	
	Multi Family	11,750,000		429	27,389	1	150	72.4%
	12							
Apr-Oct 20	Residential	01 667 000		2366	20 742		212	
	Multi Family	91,667,000 10,523,000		429			134	63.3%
	which raining	10,323,000		429	24,325		104	03.570





State of Utah

GARY R. HERBERT Governor

SPENCER J. COX Lieutenant Governar

August 25, 2014

Scott Anderson Woods Cross City Water System 1555 South 800 West Woods Cross, Utah 84087

Dear Mr. Anderson,

## Subject: Reduction of Peak Day Demand Source Requirement per R309-510-5, Woods Cross City Water System, System #06021, File #09658

Department of Environmental Quality Amanda Smith Executive Director

DIVISION OF DRINKING WATER

Kenneth H. Bousfield, P.E. Director

On May 5, 2014, the Division of Drinking Water (the Division) received your request that the Director of the Division of Drinking Water allow the reduction of the required peak day demand per equivalent residential connection (ERC) for Woods Cross City, per State of Utah Administrative Rules for Public Drinking Water Systems R309-510-5, Reduction of Requirements. Rule R309-510-5 states "if acceptable data is presented, certain number of days of peak day demand to establish minimum source capacity...showing that the requirements made herein are excessive for a given project, the requirements may be appropriately reduced...on a case by case basis by the Division Director,"

On May 8, 2014, a meeting was held with representatives from Woods Cross, JUB Engineers and the Division of Drinking Water to discuss the request and outline additional information that would be needed to consider the request. On July 25, 2014, the Division received addition information regarding the reduction request from JUB Engineers, with additional clarifications being sent on August 15, 2014.

Below is a summary of general information of the Woods Cross City Water System and the data and information provided supporting the request for reduction in source requirement.

### Future Growth and Usage Projections

The Woods Cross City Water System is a community water system, which provides drinking water within the boundary of the City, an area under four square miles. The incorporated limits of the City are bounded on the North, East and the South by other cities, including West Bountiful, Bountiful, and North Salt Lake. The City is bounded on the west by Legacy highway and wetland areas of the Great Salt Lake, making future expansion of the water system's service area very limited, if at all possible.

195 North 1950 West • Salt Lake City, UT Mailing Address: P.O. Box 144830 • Salt Lake City, LT 84114-4830 Telephone (801) 536-4200 • Fax (801-536-4211 • T.D.D. (801) 536-4414 noverdeg.atab.gov Frinted on 100% recycled paper Scott Anderson Page 2 August 25, 2014

The City was settled in 1865 and incorporated in 1935. Today, the City would be considered mostly developed, with some open space areas available for future development and some currently developed areas that might see some redevelopment in the future. A Master Plan for the City has been developed. A zoning ordinance is in place that limits the densities and type of development that can occur depending on the area of the City. The mayor and the City Council comprise the governing body of the City/water system and have authority to approve development as well as water system improvements within their boundaries. With an understanding of the limitation of the water system, they can make informed decisions on future development.

## Outdoor Water Use

The entire service area of the Woods Cross City Water System has access to secondary water for irrigation. The area is served by two different irrigation companies: Bountiful Irrigation Service District and Weber Basin Water Conservancy District. Title 9-01-510 of the Woods Cross Municipal Code states "All new residential buildings sites shall be served by pressure irrigation in accordance with the City Subdivision Ordinance. No new building permits will be issued until the applicant has made arrangements to connect to an irrigation water system. Each owner shall extend to the pressure irrigation system and provide a connection for the building site concurrent with construction of the residence." The code further goes on to state in Title 11-12-050(f) "The City Council may require non-residential subdivisions to acquire secondary water."

By ordinance, all residential users are required to have secondary water for outdoor use. Commercial users have access to secondary water service and may be required to use secondary water if required by the City Council.

## Equivalent Residential Connections

In evaluating the existing water use data for their system, the water use from commercial, industrial and institutional connections in Woods Cross City has been converted to equivalent residential connections (ERCs). This was done by dividing the actual residential water usage by the number of residential connections to obtain an average usage rate for each residential connection. This number was then used to determine the number of ERCs by dividing the water use of the commercial, industrial and institutional connections by the residential usage. Determining ERC's using the actual water use instead of the 800 gallons per day per connection (gpd/connection) is more accurate and avoids underestimating the number of ERC's.

### Water Use Data

Rule R309-510-7 Source Sizing, requires that sources meet the anticipated water demand on the day of highest water consumption, referred to as the peak day demand.

Woods Cross City has a Supervisory Control and Data Acquisition (SCADA) system that reads and records the City's well pumping data, the Weber Basin meter and tank levels at 15-minute time intervals. This data allows the City to see not only what the sources are pumping, but also what water is being used from the tanks to supplement the sources, providing the downstream usage. In general, the SCADA data was used to determine peak day demands by first identifying Scott Anderson Page 3 August 25, 2014

the peak month for each year using monthly data and then reviewing the SCADA data for that month. The day with the highest peak flow was identified and used for peak day, with diurnal curve being developed for each of the identified peak days. This was done for 2011, 2012 and 2013.

There are limitations in analyzing the SCADA data. In general, the water level fluctuations in storage tanks are measured to the nearest 0.1 feet, which translates to a volume change of 388,000 gallons and minute accuracy is not possible with the 15-minute reads of data. More specifically, the 2011 and 2012 data was missing some exact pump turn-on/off times. And the City only had SCADA information for the month of July and first part of August for the 2013 year. Adjustments, interpretations and assumptions were made to account for these items in determining the peak day demand. In analyzing the 2011 and 2012 data, the slope of the curve for the tank level was analyzed for level parts when the tank is filling or steep descending curves when the tank cycle is emptying, indicating high demands.

- In 2011, September 11<sup>th</sup> was chosen as the peak day because of the leveling of the curve as the tank was filling and the fact that Well #5 was running all day. The peak instantaneous flow on that day was 0.17 gallons per minute per ERC (gpm/ERC).
- In 2012, August 7<sup>th</sup> was determined to be the peak day. There was a large leak found in the system that day. The peak instantaneous flow (not including the leak) for that day was 0.24 gpm/ERCs.
- The 6 weeks of SCADA data that the City had for 2013 in July and August were analyzed with July 15<sup>th</sup> being the peak day with a peak instantaneous flow of 0.239 gpm/ERC. This data has the exact turn-on/off times for the wells.

The City chose to use the peak instantaneous demand as a conservative value for the peak day demand. This approach provides a safety factor to the demand numbers and accounts for some of the uncertainties in the data. The highest peak day demand identified in the 3 years of data analyzed was 0.24 gpm/ERC, which is equivalent to 345 gpd/ERC.

### Water Loss through the System

Woods Cross compared the measured water pumped from their wells and purchased from Weber Basin with the amount of water use read at the customers' meters for 6 years, from 2008 to 2013. Water loss in the system ranges from 4 percent to 11 percent with an average loss rate of 7 percent. This is a relatively low loss percentage compared to other drinking water systems and is an indication of a well maintained system.

Because the water use data that the City is using to determine the peak day demand is taken at the source and not at the customers' meters, the peak day numbers do not have to be adjusted to account for the loss factor.

#### Safety Factor

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Woods Cross City requests a reduction from 800 gpd/ERC to 400 gpd/ERC (equivalent to 0.278 gpm/ERC). This reduced number (0.278 gpm/ERC) is 16% higher than the highest identified actual peak demand of 0.24 gpm/ERC. Therefore, it includes a safety factor of 16%.

### Storage

Woods Cross City does not intend to request a reduction in the storage requirement and will still use the 400 gallons/ERC in determining their minimum storage requirements. As evidenced by their water use data, the 400 gallons represent sufficient storage for one day of the water systems' actual peak day use, as opposed to the average daily demand required for storage. This also provides an additional safety factor.

## Summary

Woods Cross City water system has requested a reduction to their source requirements based on peak day data and other pertinent information. A summary of some of the factors is listed below:

- Woods Cross City has been incorporated since 1935, with a stable history of development and water use to establish a good baseline.
- The governing body of the water system is also the governing body of the City with the authority to approve or deny development. With the understanding of the limitation of the water system, educated development decisions can be made.
- Future expansion of the water system service area is limited, if at all possible because of the restrictive boundaries on all sides of the incorporated limits.
- The City maintains a Master Plan for development and a Zoning Ordinance. These tools have allowed the City to plan for the future with more accurate projections.
- The City is served by secondary irrigation systems. By ordinance residents are required to connect to secondary water. The Woods Cross City Water System only supplies indoor water use.
- Actual water use data was used in determining ERC's, providing a more accurate accounting of connections.
- SCADA data that measures the source use and tank depletion was used to determine peak day demands.
- To account for discrepancies and to be conservative, the peak instantaneous flow was identified and used as the peak day demand.
- 9. The highest peak day demand from 2011-2013 was 0.24 gpm/ERC (345 gpd/ERC).
- 10. The average loss percentage in the system is 7%, indicating a well-run system. The measured peak day demands are taken at the source, therefore, do not need to be adjusted to account for losses in the system.
- The proposed peak day source demand of 400 gpd/ERC includes a 16% safety factor over the highest identified peak day demand.
- Woods Cross City intends to use 400 gallons/ERC in calculating the storage requirement, which is the default storage requirement without reduction.

The Division finds the methodology used in the water usage study and peak day demand data acceptable. Based on the analysis of presented actual water use data, the peak day demand source

Scott Anderson Page 5 August 25, 2014

requirement is reduced from the default 800 gallons per day (gpd) to 400 gpd per ERC for Woods Cross City per Rule R309-510-5.

The Divisions may choose to reevaluate the reduced peak day demand requirements if the nature and use of the water system changes in the future. You are encouraged to regularly monitor and verify the peak day water usage in your system to ensure that the reduced demand is still valid as development and other changes in your City occur.

Please maintain a copy of this letter with your permanent records for future reference.

If you have any questions regarding this letter, please contact Tammy North, of this office, at (801) 536-4293, or Ying-Ying Macauley, Engineering Section Manager, of this office, at (801) 536-4188.

Sincerely,

Kenneth H. Bousfield, P.E. Director

TN

cc: Dave Spence, Davis County Environmental Health Director, <u>davids@daviscountymah.gov</u> Scott Anderson, Woods Cross City, <u>sanderson@woodscross.com</u> Gregory Seegmiller, JUB Engineers, <u>gseemiller@jub.com</u> Ross Wilson, JUB Engineers, <u>RAW@jub.com</u> Tammy North, Division of Drinking Water, <u>horth@atah.gov</u>

DDW-2014-011827

ID (Char)	2013 Flow	% of Full Capacity (2013)	2023 Flow	% of Full Capacity (2023)	AtCap Flow	% of Full Capacity (AtCap)	Diameter	Length
301	161.5		and the second second	A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O	Contraction of the second s		12	1261.7
814	163.4		502.32		568.53	100%	12	74
816	75.16				156.25	100%	12	41
819	162.08		405.34		584.14		12	40
P561	161.5		441.42		636.42		12	321.2
P559	161.5		441.42		640.74	100%	6	73.0
555			C		733.1	100%	12	1306.1
P589	11 Y	0%	256.28		324.25	100%	12	1116.
P591		0%	158.35		197.2	Contraction of the second s	12	802.9
P627	1	0%	137.84	64%	216.44	100%	12	559.9
P629	1	0%	137.84	64%	216.44	100%	12	516.4
P631		0%	137.84	64%	216.44	100%	12	646.7
P633	1	0%	137.84	64%	216.44	100%	12	473.1
P635		0%	181.04	65%	279.62	100%	12	415.1
1601	241.8	62%	326.17	84%	390.15	100%	10	89
1605	241.8	3 102%	202.67	85%	237.59	100%	10	731.2
1701	647.33	3 78%	764.57	92%	831.55	100%	10	1091.3
33	420.99	74%	501.00	88%	568.59		10	370.5
37	378.48		447.88		490.21		10	555.2
P671	241.8	63%	326.16	85%	382.05		10	327.8
P735	647.3		764.57		727.73		10	268.2
P737	647.33		764.57		849.38		10	372.2
P153	33,13		93.38		104.56		12	737.9
P155	141.33		223.24		235.69		12	283.9
P157	141.31		223,24		235.69		12	663.0
P159	155.13		237.04		257.53		12	274.9
P315	33.11		93.38		104.56		12	327.4
P471	33.13		93.38		and the second se		12	180.4
P147	29.52		57.25		172.39		12	60
P149	16.14		64,31		76.98		12	673.1
P151	16.14		64.31		76.98		12	584.2
1702	179.2		174.9		183.62	the second se	6	5.
299	42.56		36.5				6	1186.1
P181	(				67.54		12	805.7
P183	0		and the second second		121.34		12	626.2
P467	0		53.57		63.89		12	333.5
P479	0		and the second se		63.89 113.3		12 12	341.5 281.7
P481					124.44		12	311.6
P279	0		28.08	and the second se	105.54		12	352.8
P707			0		69,17	the second se	12	604.1
P711 P713					69.17	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12	1322.3
P713	0				69.17		12	704.8
P219	0		0		78.26		10	1185.00
P223			6.33		162.15		12	620.0
P283			6.33		90.06	the second se	12	1356.8
P731			0.55		23.25		10	1003.5
P855	127.84		109.04		153.24		8	359.2
P853	127.84		the second second		113.31	10.10.00 D	8	135.4
1201	442.41	and the second se			458	Sector Sector	8	953.
	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and the second second			115.2
247	0	) 0%	0	0%	374.17	100%	12	11

26	12	100%	441.61	35%	153.91	33%	146.22	811
25	10	100%	448.63	34%	153.64	33%	145.95	822
111.7	12	100%	374.17	0%	0	0%	0	P127
40	12	100%	358.61	3%	11.24	3%	11.24	P129
	8	100%	374.17	0%	0	0%	0	60810U
	8	100%	374.17	0%	0	0%	0	60810D
327.2	10	100%	295.61	82%	242.14	0%	0	325
325.5	10	100%	224.95	84%	188.92	0%	0	P547
313.5	10	100%	214.08	81%	174.38	0%	0	P551
316.8	10	100%	224.95	84%	188.92	0%	0	P553
316.8	10	100%	295.61	82%	242.14	0%	0	P555
281	10	100%	214.08	81%	174.38	0%	0	P557
927.7	12	100%	129.46	64%	83.02	99%	127.84	P199
692.7	12	100%	102.04	107%	109.04	125%	127.84	P201
1031.3	12	100%	101.95	107%	109.04	125%	127.84	P203
120.0	12	100%	155.44	71%	110.18	83%	128.98	P205
2928.1	16	100%	2733.31	66%	1800.28	51%	1398.48	1005
5	12	100%	1705.72	64%	1098.59	49%	828	1009
27	12	100%	1569.63	65%	1017.31	49%	771,12	1011
38	12	100%	1573.39	66%	1033.56	51%	794.83	1012
35	16	100%	2051.1	65%	1338.42	50%	1028.39	1014
66	16	100%	2100.68	66%	1383.14	51%	1073.11	1015
	16	100%	205.61	65%	134.46	50%	103.08	1017
22	10	100%	94.96	19%	18.16	82%	77.88	102
63	10	100%	94.96	19%	18.16	82%	77.88	105
24	10	100%	94.96	19%	18.16	82%	77.88	106
241.7	12	100%	968.52	60%	582.26	41%	398.67	11
458.6	12	100%	349.61	61%	214.16	47%	163.83	13
402.7	12	100%	684.62	92%	633.12	136%	929.8	1331
50	10	100%	416.52	61%	252,97	49%	204.63	1414
1571	10	100%	629.15	73%	458.38	104%	657.38	15
236.5	12	100%	684.62	92%	633.12	136%	929.8	17
100	10	100%	906.02	70%	634.35	67%	610.93	1801
1	10	100%	629.15	73%	458.38	104%	657.38	1803
2	10	100%	1738.89	66%	1150.69	59%	1017.36	1805
860.0	12	100%	1738.89	66%	1150.69	59%	1017.36	1806
7	10	100%	832.87	68%	568.01	98%	815.58	1809
2	12	100%	1747.51	66%	1155.53	58%	1017.12	1810
52	16	100%	2158.14	67%	1440.86	54%	1168.07	1901
25	16	100%	2658.7	66%	1767.6	54%	1446.48	1902
56	12	100%	1747.51	66%	1155.53	58%	1017.12	1903
7	10	100%	6.9	61%	4.2	61%	4.2	1904
30	10	100%	7.98	53%	4.2	53%	4.2	1905
32	10	100%	476.72	65%	307.77	54%	259.43	1906
14	12	100%	1768.41	67%	1176.43	57%	1016.07	1908
8	12	100%	1768.41	67%	1176.43	57%	1016.07	1909
3	12	100%	20.9	100%	20.9	100%	20,9	1910
18	10	100%	455.84	63%	289.05	53%	240.71	1912
41	10	100%	1.08	0%	0	0%	0	1917
61	10	100%	484.7	64%	311.97	54%	263.64	1918
107	12	100%	1747.51	66%	1155.53	58%	1017.12	1919
11	10	100%	236.16	54%	127.13	23%	53.73	204
35	10	100%	146.42	42%	61.49	4%	5.87	214

54	10	100%	236.16	54%	127.13	23%	53.73	218
45	10	100%	234.75	41%	95.71	31%	73.03	219
46	10	100%	225.03	43%	95.71	32%	73.03	220
35	10	100%	146.42	42%	61.49	4%	5,88	221
19.2	10	1,00%	185.67	78%	145.18	82%	152.1	23
255.0	12	100%	1747.51	66%	1155.53	58%	1017.12	237
509.8	10	100%	584.46	1%	4.44	1%	4.44	243
443.2	10	100%	243.44	18%	43.54	47%	113.47	245
93.1	10	100%	723,21	80%	577.34	70%	508.49	251
93.9	10	100%	723.21	80%	577.34	70%	508.49	253
1502.5	12	100%	999.48	45%	449.81	16%	161.09	261
371.5	10	100%	1130.21	56%	634.54	35%	395.09	265
421.5	12	100%	38.23	95%	36.31	111%	42.32	281
20.0	10	100%	84.74	96%	80.96	96%	80.96	29
20.5	12	100%	684.62	92%	633.12	136%	929.8	31
792.5	12	100%	1130.21	56%	634.54	35%	395.09	333
598.2	10	100%	679.23	66%	445.38	24%	161.32	375
268.5	12	100%	232.97	81%	188.16	59%	137.83	385
587.7	12	100%	232.97	81%	188,16	59%	137.83	387
46.2	12	100%	606.43	59%	359.95	37%	226.68	389
46.7	12	100%	310.11	61%	188.16	44%	137.83	391
48	12	100%	806.37	60%	485.13	41%	333.71	407
334.7	10	100%	523.78	52%	274.6	33%	170.41	419
350.7	12	100%	606.43	59%	359,95	37%	226.68	421
29	10	100%	1130.21	56%	634.54	35%	395.09	422
328.2	12	100%	618.91	59%	368.11	38%	234.84	425
8	10	100%	1130.21	56%	634.54	35%	395.09	426
35	12	100%	606.43	59%	359.95	37%	226.68	427
91	12	100%	968.52	60%	582.26	41%	398.67	428
35	12	100%	968.52	60%	582.26	41%	398.67	429
46	12	100%	968.52	60%	582.26	41%	398.67	430
	10	100%	733.1	0%	0	0%	0	5003D
	10	100%	733.1	0%	0	0%	0	5003U
	10	100%	996.46	100%	992.32	99%	989.94	50110
94.4	10	100%	757.96	0%	Ö	0%	0	5013D
84.5	10	100%	757.96	0%	0	0%	O	5013U
1018.5	10	100%	97.29	113%	109.5	121%	117.98	509
244.9	10	100%	1183.77	63%	745.48	56%	660.27	517
700.6	10	100%	133.19	75%	99.44	69%	92.56	531
252.2	12	100%	841.97	65%	546.12	49%	416.6	545
112.9	12	100%	757.96	0%	0	0%	0	565
697.	10	100%	33.71	194%	65.45	317%	105.94	603
1159.0	10	100%	33.71	194%	65.45	317%	106.94	604
12	10	100%	158.87	69%	109.5	74%	117.98	605
	99	100%	0.00001	0%	0	0%	0	70812U
661.5	10	100%	1133.02	71%	799.15	88%	1000.45	817
51	10	100%	1288.2	63%	806.07	59%	756.47	820
24	10	100%	1078.64	65%	696.69	69%	740.17	823
6	10	100%	1274.7	63%	806.07	59%	756.47	824
583.0	10	100%	934.19	64%	598.17	55%	509.46	911
2	12	100%	209.51	67%	140.48	53%	111.45	913
1	12	100%	1142.87	63%	720.3	46%	524.64	921
1.000	12	100%	879.91	65%	569.63	49%	432.99	924

37	488.64	50%	640.46	65%	985.99	100%	12	278
38	223.38	42%	322.76	60%	538,09	100%	12	376
41	581.52	49%	764.28	65%	1178.39	100%	12	153.12
42	619.14	52%	794.59	67%	1191.36	100%	12	510.4
43	205.7	40%	300.85	59%	510.12	100%	12	423
44	826.06	48%	1096.65	64%	1703.24	100%	12	255
46	272,51	42%	389.47	61%	642.36	100%	12	205
61	309.08	42%	445.9	60%	738.48	100%	12	277
65	255.81	41%	372.77	60%	624.04	100%	12	524
107	14.45	15%	54.72	57%	96.77	100%	12	433.3
109	18.25	15%	68.95	57%	121.27	100%	12	229,85
131	27.56	8%	27.56	8%	335.27	100%	12	491.03
133	28.04	8%	28.04	8%	333.17	100%	12	138
135	28.04	9%	28.04	9%	325.07	100%	12	493.25
137	37.03	14%	77.2	29%	270.22	100%	12	245.52
139	126.49	38%	70.6	21%	335.27	100%	12	323.24
141	126.49	38%	70.6	21%	333.65	100%	12	645.5
141	336.78	81%	260.86	63%	416.58	100%	12	164.5
145	336.78	86%	260.86	67%	391.74	100%	12	1279.55
145	115.79	51%	172.61	76%	226.27	100%	12	494.54
161	92.56	47%	144.09	73%	197.21	100%	10	927.91
163		82%	18.16	19%	94.96	100%	10	96.88
189	77.88 113.46	32%	77.52	22%	349.37	100%	12	722.63
19	64.29	51%	95.85	75%	127.27	100%	12	228.94
19		50%	101.83	45%	227.96	100%	12	666.61
191	113.46 14.38	10 m 1 m	78.64	43%	184.81	100%	16	63.48
	60.13	8%	106.26	43% 54%		100%	12	665.27
197 207	113.46	31% 37%	43.54	14%	195.78 302.57	100%	12	1816.37
207		32%		22%	354.55	100%	12	1797.91
209	113.46 47	44%	77.52 78.56	74%	106.74	100%	12	507.99
	and the second sec	32%		22%	349.37	100%	12	132.03
211	113.46 113.46		77.52 43.54	13%	336.59	100%	12	49.02
213 217		34%		4%	157.21	100%	10	683.3
217	0 222.29	0% 52%	6.33 282.68	66%	427.02	100%	12	1504.12
285	647.33	76%	764.57	90%	849.38	100%	10	34.04
	and the second sec	the second se		90%	849.38	100%	10	34.32
287 289	647.33 647.33	76% 76%	764.57 764.57	90%	849.38	100%	10	35.39
209	and and a second second	70%	577.34	80%	723.21	100%	10	33.30
293	508.49 508.49	70%	577.34	80%	723.21	100%	10	1
307	217.65	52%	358.73	85%	420.72	100%	12	211.51
309	and the second second	12%	1.38	12%	11.64	100%	12	660.53
327	1,38	0%	0	0%	0.00001	100%	12	197.92
329	0	0%	0	0%	0.00001	100%	12	257.04
335	50.93	12%	387.28	93%	414.64	100%	12	462.93
337	217.65	51%	361.16	85%	425.32	100%	12	402.93
363	15.69	89%	14.61	83%	17.64	100%	12	150.45
375	6.27	7%	6.27	7%	85.21	100%	12	253.76
	A REAL PROPERTY AND A REAL				106.45	100%	12	159.73
377	1.14	1%	1,14	1% 0%	0.00001	100%	10	996.46
389 393	0	0%	0	0%	0.00001	100%		120.32
395	1320.29	100%	1320.41	100%	1320.45	100%	16 12	61.04
	and the second se	88%		71%	11320.45	100%	12	592.19
399	1000.45	106%	799.15		1133.02	100%	16	and the second sec
405	1171.08	100%	1199.67	108%	1106.34	100%	10	714,29

		50%	1.000.000	62%		100%	-	
WELL4PUM	and the second second	100%	1320.41	100%	1320.45	100%	10	
P99	22.94	18%	72.62	58%	125.55	100%	12	148.2
P97	6.3	5%	72.22	60%	119.6	100%	12	103.1
P879	O	0%	0	0%	83.2	100%	10	1736,4
987	16.76	20%	48.94	58%	84.19	100%	12	474.5
825	336.78	84%	260.86	65%	402.78	100%	12	468.
823	126.49	63%	70.6	35%	199.78	100%	12	390.2
821	336.78	94%	260.86	73%	356.47	100%	12	750.9
2819	117.98	74%	109.5	69%	158.87	100%	10	371.6
789	137.83	44%	188.16	61%	310.11	100%	12	516.7
781	95.31	43%	25.38	12%	219.33	100%	10	353.1
779	161.32	Z4%	445.38	66%	678.96	100%	10	431.5
267	2.98	100%	2,98	100%	2.98	100%	12	250.7
659	1387.11	151%	967.65	106%	915.94	100%	16	321.
265	48.56	29%	96.97	57%	170.17	100%	12	369
263	189.12	57%	216.44	65%	331.99	100%	10	65.9
P615	92.56	81%	99.34	87%	114.69	100%	10	384.
2613	92.56	69%	99.44	75%	133.19	100%	10	278.
255	0.72	1%	55.75	82%	67.72	100%	12	281
·53	28.07	32%	66.47	75%	88.85	100%	12	260.6
251	36.73	35%	74.8	71%	105.2	100%	12	534.
497	92.56	69%	99.44	75%	133.19	100%	10	320
459	2267.75	100%	2265.6	100%	2262.55	100%	16	97.5
45	38.31	40%	68.54	72%	95.27	100%	12	599.1
2445	1515.5	56%	1836.62	67%	2730.42	100%	16	170.3
P443	1398.48	51%	1800.28	66%	2733.31	100%	16	1.3.04
P437	989,94	99%	992.32	100%	996.46	100%	10	135.
435	989.94	99%	992.31	100%	996.46	100%	16	2449.
P433	2267.75	100%	2265.6	100%	2262.55	100%	16	
P431	2267.75	100%	2265.6	100%	2262.55	100%	16	1.1.4
P427	0	0%	796.43	91%	871.4	100%	12	44.0
P425	929.8	50%	1429.56	93%	1544.07	100%	16	25
P423	2267.75	100%	2265.6	100%	2262.55	100%	36	714.3
P419	1515.5	56%	1836.62	67%	2730.42	100%	16	3295.0
P415	1387.11	151%	967.65	106%	915.94	100%	16	1583.5
P413	1018.99	125%	1039.89	128%	813.21	100%	16	611.5
P411	1033.68	125%	1057.6	128%	827.7	100%	16	275.1
P407 P409	1101.38	118% 125%	1128.06 1083.75	120% 128%	937.25 848.65	100%	16 16	249.3 235.9

	Hour Flows								
-	From Node To		Length (ft) Dia		A CONTRACTOR OF A CONTRACTOR A CONTRA		0.00 - 0.00	and the second se	and the second second
1001		1508	1,172.00	8	140	-46.86	0.3	0.06	0,05 Q
1002	and the state of the	1507	902	6	140	-9.36	0.11	0.01	0.01 O
1003		1001	368	6	140	-62.82	0.71	0.14	0.38 O
1004		1007	221	4	140	34.38	0.88	0.2	0.91 O
1005			2,928.17	16	140	-1,396.74	2.23	2,96	1.01 0
1006		913	2,924.00	6	140	102.98	1.17	2,81	0.96 O
1007		1012	375	6	140	-19.83	0.23	0.02	0.05 O
1008		1013	54	6	140	0	0	0	0.0
1009		1005	58	12	140	-827.44	2.35	0.09	1.56 O
1010		1015	181	4	140	O	0	0	0.0
1011	1005	1004	276	12	140	-770.36	2.19	0.38	1.36 0
1012	1003	1004	382	12	140	793.78	2.25	0.55	1.44 0
1013	1003	1016	795	8	140	272.72	1.74	1.14	1.44 0
1014	1003	1006	355	16	136	-1,027.06	1.64	0.21	0.6 O
1015	1006	1008	660	16	136	-1,071.78	1.71	0.43	0.65 O
1017	1008	1010	6	16	136	102.98	0.16	0	0.08 0
1018	935	947	238	6	140	0	0	0	0.0
1019	1012	1019	78	6	140	-68.92	0.78	0.04	0.46 0
102	101 11	02	226	10	140	-77.87	0.32	0.01	0.05 0
1020	1019	1020	43	6	140	o	0	0	00
1021	1019	1016	551	6	140	-68.92	0.78	0.25	0.46 0
1022	1015	1021	272	8	140	196.14	1.25	0.21	0.78 O
1023	1024	1021	641	8	140	-126.31	0.81	0.22	0.35 0
1024	1023	1021	354	6	140	-53.21	0.6	0.1	0.28 O
1025	1024	944	870	6	140	35.34	0.4	0.12	0.13 O
1026	1022	1026	402	6	140	-26.95	0,31	0.03	0.08 O
1027	1022	1025	288	6	140	-26.26	0.3	0.02	0.08 O
1028	1025	1023	418	6	140	-26.26	0.3	0.03	0.08 0
1029	1026	1023	271	6	140	-26.95	0.31	0.02	0.08 O
103	105 J1	and the second	23.57	6	140	0	0	0	0.0
105	208	102	639	10	140	-77.87	0.32	0.03	0.05 O
106	102	101	242	10	140	-77.87	0.32	0.01	0.05 O
107	78	80	273.03	8	140	47.65	0.3	0.02	0.06 O
109	80	82	255.75	8	140	34.86	0.22	0.01	0.03 O
11	10	423	241.75	12	140	-398.4	1.13	0.1	0.4 0
1102	1102	1103	102.54	6	140	13.8	0.15	0	0.02 0
1104	1101	1104	162.84	6	140	0	0	0	00
111		78	599.23	8	140	-27.73	0.18	0.01	0.02 O
113	86	80	618.64	8	140	-8.91	0.06	0	0.0
115	88	82	652.13	8	140	6.32	0.04	0	0.0
117	90	72	673.88	8	140	20.01	0.13	0.01	0.01 0
119	84	86	272.08	8	140	24.75	0.16	0	0.02 0
1201	1201	1202	953.6	6	140	442.41	5.02	13.62	14.28 0
1202	1203	1204	636	6	140	133.22	1.51	0.98	1.55 0
1202	1205	1204	299	6	140	-229.68	2.61	1.27	4.24 0
1203	1204	1204	273	6	140	-102.6	1.16	0.26	0.95 0
1204	1204	1205	666	6	140	220.81	2.51	2.63	3.94 0
1205	1206	1201	299	8	140	253.24	1.62	0.37	1.25 0
1200	1200	1203	299	8	140	-112.92	0.72	0.08	0.28 0
1207	1207	1203	617	6	140	-112.92	1.22	0.65	1.05 Op

121	86	88	259.6	8	140	28.5	0.18	0.01	0.02 Open	
123	88	90	254.46	8	140	15.96	0.1	0	0.01 Open	
125	303	92	158.12	8	140	181.49	1.16	0.11	0.68 Open	
127	92	94	404.94	8	140	77.99	0.5	0.06	0.14 Open	
129	94	96	254.94	8	140	44.02	0.28	0.01	0.05 Open	
13	12	10	458.61	12	140	-163.73	0.46	0.04	0.08 Open	
1301	1301	1302	657	6	140	-74.59	0.85	0.35	0.53 Open	
1302	1301	1303	228	8	140	237.97	1.52	0.25	1.11 Open	
1303	1702 12	22	1,651.93	8	140	-76.04	0.49	0.22	0.13 Open	
1304	1307	1303	674	6	140	97.56	1.11	0.58	0.87 Open	
1306	1306	1330	62	6	140	-14.55	0.17	0	0.03 Open	
1307	1309	1310	50	6	140	Ō	0	0	0 Open	
1308	1311	1312	50	6	140	0	0	0	0 Open	
1309	1309	1311	16	6	140	-14.56	0.17	0	0.03 Open	
131	96	98	597.62	8	140	33.68	0.21	0.02	0.03 Open	
1310	1314	1315	270	6	140	-60.19	0.68	0.1	0.35 Open	
1311	1315	1316	301	6	140	-69.98	0.79	0.14	0.47 Open	
1312	1316	1317	260	6	140	-48.14	0.55	0.06	0.23 Open	
1313	1317	1318	261	6	140	-37.42	0.42	0.04	0.15 Open	
1314	1318	1319	202	6	140	-38.5	0,44	0.03	0.15 Open	
1315	1318	1320	270	6	140	-5.54	0.06	0	0 Open	
1316	1317	1416	667	6	140	-16,12	0.18	0.02	0.03 Open	
1317	1320	1321	58	6	140	0	0	0	0 Open	
1318	1320	1418	459	6	140	-9.58	0.11	0.01	0.01 Open	
1319	1303	1304	303	8	140	331.09	2.11	0.62	2.06 Open	
1320	1206	1304	121	8	140	-481.79	3.08	0.5	4.12 Open	
1323	1308	1322	196	6	140	92.34	1.05	0.15	0.78 Open	
1324	1304	1322	95	6	140	-150.94	1.71	0.19	1.95 Open	
1326	1308	1305	393	6	140	-160.78	1.82	0.86	2.19 Open	
1327	1322	1328	89	6	140	-63.6	0.72	0.04	0.4 Open	
1328	1328	1329	196	6	140	-63.6	0.72	0.08	0.39 Open	
1329	1329	1308	106	6	140	-63.6	0.72	0.04	0.4 Open	
133	98	830	178.09	8	140	63.88	0.41	0.02	0.1 Open	
1330	20	1311	466.51	6	140	34.74	0.39	0.06	0.13 Open	
1331	1325	1326	402,79	12	140	-158.56	0.45	0.03	0.07 Open	
1333	1327	1306	98	8	140	-226.93	1.45	0.1	1.02 Open	
1334	1330 14		558	6	140	-14.55	0.17	0.01	0.03 Open	
135	92	100	193.05	8	140	93.99	0.6	0.04	0.2 Open	
137	108	829	886.61	8	140	16.17	0.1	0.01	0.01 Open	
139	108	831	132.46	8	140	39.73	0.25	0.01	0.04 Open	
1401	1402	1403	448	8	140	238.98	1.53	0.5	1.12 Open	
1402	1403	1404	173	8	140	122.66	0.78	0.06	0.32 Open	
1403	1404	1405	103	8	140	2.02	0.01	0	0 Open	
1404	1404	1406	173	8	140	120.64	0.77	0.06	0.32 Open	
1405	1401	1407	91	6	140	0	0	0	0 Open	
1405	1401	1408	457	8	140	158.83	1.01	0.24	0.53 Open	
1407	1401	1409	427	6	140	75.81	0.86	0.23	0.54 Open	
1408	1406	1408	375	8	140	40.31	0.26	0.02	0.04 Open	
1409	1408	1408	277	6	140	113.18	1.28	0.32	1.14 Open	
1409	1403	112	802.97	8	140	37.58	0.24	0.03	0.04 Open	
1410	1409	1410	444	6	140	-23.27	0.24	0.03	0.04 Open	
1410	1409	1410	108		140	-196.08	1.25	0.03	0.78 Open	
1411	1411	1408	100	8	140	-100.00	4.6.3	0.00	v-vo open	

1412	1411	1313	1,330.00	6	140	0	0	0	0 Open
1413	1411	1412	547	8	140	192.6	1.23	0.41	0.75 Open
1414	1402	1913	506	10	140	-204.63	0.84	0.14	0.28 Open
1415	1410	1413	316	6	140	84.91	0.96	0.21	0.67 Open
1417	1415	1444	255	6	140	-3.89	0.04	0	0 Open
1418	1316	1417	857	6	140	-28.39	0.32	0.08	0.09 Open
1419	1314	1415	727	6	140	-34.8	0.39	0.09	0.13 Open
1420	1419	1415	320	6	140	40.43	0.46	0.05	0.17 Open
1421	1416	1418	264	6	140	-29.08	0.33	0.02	0.09 Open
1422	1418	1420	198	6	140	-46.48	0.53	0.04	0.22 Open
1423	1417	1443	236	6	140	-9.9	0.11	0	0.01 Open
1424	1409	1421	260	6	140	94.24	1.07	0.21	0.81 Open
1425	1412	1421	299	6	140	-47.26	0.54	0.07	0.23 Open
1426	316	1422	447.5	8	140	98.76	0.63	0.1	0.22 Open
1427	1422	1423	263	6	140	-49.38	0.56	0.06	0.25 Open
1428	1422	1424	149	8	140	144.18	0.92	0.07	0.44 Open
1429	1423	1425	107	6	140	-38.92	0.44	0.02	0.16 Open
143	112	108	262.75	8	140	55.9	0.36	0.02	0.08 Open
1430	1425	1426	167	6	140	0	0	0	0 Open
1431	1425	1440	253	6	140	-41.74	0.47	0.05	0.18 Open
1432	1423	1437	321	6	140	-12.56	0.14	0.01	0.02 Open
1433	1421	1429	128	6	140	46.98	0.53	0.03	0.23 Open
1434	1429	1413	449	6	140	-34.02	0.39	0.06	0.12 Open
1435	1429	1413	261	6	140	77.79	0.88	0.15	0.57 Open
1435	1413	1427	1,241.00	6	140	38.7	0.44	0.19	0.16 Open
1430	1415	1450	339	6	140	26.64	0.3	0.03	0.08 Open
1437		1417	60	6	140	20.04	0.5	0.03	0 Open
	1428 1424	1432	172	8	140	157.34	1	0.09	0.52 Open
1439			449.96	4	140	-13.16	0.34	0.07	0.15 Open
1440	1424 J1				140	33.35	0.34	0.07	0.14 Open
1441 118		84	14.07	6	140		0.82	0.1	0.35 Open
1442	1419	354	271.5	8		-127.8	0.18		0.02 Open
1443	1414	1434	168	8	140	27.92		0	
1444	1434	1435	266	8	140	-4.91	0.03	0	0 Open
1445	1435	1436	135	6	140	-4.91	0.06		0 Open
1446	903	1441	219	6	140	13.04	0.15	0	0.02 Open
1448	1428	1438	300	6	140	-24.83	0.28	0.02	0.07 Open
1449	1437	1428	154	6	140	-12.56	0.14	0	0.02 Open
145	112	114	264.38	8	140	-25.98	0.17	0	0.02 Open
1450	1438	1439	581	6	140	-24.83	0.28	0.05	0.07 Open
1451	1439	1427	243	6	140	-24.83	0.28	0.02	0.07 Open
1452	1440	1427	172	6	140	-41.74	0.47	0.03	0.18 Open
1453	1441	1442	105	6	140	13.04	0.15	0	0.02 Open
1454	1442	1430	321	6	140	13.04	0.15	0.01	0.02 Open
1455	1443	1416	243	6	140	-9.9	0.11	0	0.01 Open
1456	1444	1315	778	6	140	-3.89	0.04	0	0 Open
147	114	116	525.56	8	140	4.97	0.03	0	0 Open
149	94	118	378.2	8	140	33.96	0.22	0.01	0.03 Open
15	1802	14	1,571.50	10	140	218.57	0.89	0.5	0.32 Open
1502	1414 15	08	987	8	140	-66.55	0.42	0,1	0.11 Open
1503	1504	1503	299	6	140	67.43	0.77	0.13	0.44 Open
1504	1503	1505	178	8	140	0.88	0.01	0	0 Open
1505	1436	1506	306	6	140	-57.18	0.65	0.1	0.32 Open

1506	1506	1504	378	6	140	-77.67	0.88	0.21	0.57 Ope
1507	1506	1507	314	6	140	17.18	0.19	0.01	0.04 Ope
1508	1504	1508	201	б	140	-148.16	1.68	0.38	1.89 Ope
1509	1501	1509	99	8	140	-198.66	1.27	0.08	0.79 Ope
151	118	116	273.03	8	140	38.04	0.24	0.01	0.04 Ope
1510	1509	1510	140	8	140	-221.98	1.42	0.14	0.98 Ope
1511 12	82	1002	511	6	140	σ	0	0	0 Ope
1512	1508	1501	200	8	140	-198.66	1.27	0.16	0.8 Ope
1513	1507	1511	98	6	140	α	0	0	0 Ope
153	116	98	265.13	8	140	35.35	0.23	0.01	0.03 Ope
155	110	100	332.35	8	140	-42.74	0.27	0.02	0.05 Ope
157	100	120	452.41	8	140	51.25	0.33	0.03	0.06 Ope
159	120	114	277.88	8	140	38.29	0.24	0.01	0.04 Ope
1601	1701	1601	894	10	140	241.8	0.99	0.35	0.39 Ope
1602	1602	1601	35	6	140	o	a	0	0 Ope
1604	1604	1603	946.17	8	140	-241.79	1.54	1.09	1.15 Ope
1605	1603 J4	06	731.28	10	140	-241.79	0.99	0.28	0.39 Ope
1606	1604 J4	78	3,359.10	8	140	86.69	0.55	0.58	0.17 Ope
161	120	122	230.06	8	140	8.92	0.06	0	0 Ope
163	124	122	124.52	8	140	-4.84	0.03	0	0 Ope
165	122	118	297.79	8	140	4.08	0.03	0	0 Ope
167	126	76	264.55	8	140	-105.67	0.67	0.07	0.25 Ope
169	128	74	263.5	8	140	-90.95	0.58	0.05	0.19 Ope
17	14	1326	236.51	12	140	158.56	0.45	0.02	0.07 Ope
1701	30 14		1,091.33	10	140	-647.33	2.64	2.62	2.4 Ope
1702	1703	1701	55	6	140	-179.2	2.03	0.15	2.68 Ope
1704	1704	1705	963.61	8	140	-149.51	0.95	0.45	0.47 Ope
171	126	128	774.01	8	140	-8.37	0.05	0	0 Ope
173	130	128	319.75	8	140	-76.92	0.49	0.04	0.14 Ope
175	132	130	341.06	8	140	-72.96	0.47	0.04	0.12 Ope
177	148	132	260.26	8	140	-109.26	0,7	0.07	0.26 Ope
179	72	136	245.11	8	140	-30.6	0.2	0.01	0.03 Ope
1801	1702	1801	1,001.00	10	140	-610.93	2.5	2.16	2.16 Ope
1803	1802	1803	11	10	140	-218.57	0.89	0	0.31 Ope
1804	1803	1804	5	6	140	57,22	0.65	0	0.29 Ope
1805	1805	1801	25	10	140	918.61	3.75	0.11	4.59 Ope
1806	156	1805	860.01	12	140	918.61	2.61	1.62	1.89 Ope
1807	1807	1804	8	6	140	0	0	0	0 Ope
1808	1804	1324	1,237.00	6	140	57.22	0.65	0.4	0.32 Ope
1809	1801	1803	78	10	140	307.68	1.26	0.05	0.61 Ope
181	136	134	253.5	8	140	-19.64	0.13	0 0.04	0.01 Ope
1810	1806 154 J2	1808	20	12	140	-923.45	2.62	0.04	1.9 Ope 0.08 Ope
183 185			287.35	8 8	140 140	-55.88 -62.1	0.30	0.02	0.09 Oper
	138	140	518.41		140			0.03	and the second s
187 189	140 140	126 132	267.75 411.59	8	140	-106.38 40.97	0.68	0.07	0.25 Oper 0.04 Oper
189	1324	132	334.25	6	140	55.68	0.26	0.02	0.31 Oper
1901	1901	1902	525	16	140	1,168.07	1.86	0.38	0,73 Oper
1901	1901	1902	252	16	140	-1,446.48	2,31	0.38	1,08 Oper
1902	1901	1919	564	12	140	923.45	2.62	1.08	1,08 Oper
1903	1904	1916	71	12	140	-4.2	0.02	1.08	0 Oper
1904	1908	1907	304	10	140	-4.2	0.02	0	0 Oper

0445		1400	200-		5.52	-220.32	10.00		and an and
1906	1905	1908	327	10	140 140	259.43	1.06	0.14	0.44 Open
1907	1902	1909	460	8		207.18	1.32	0.4	0.86 Open
1908	1902	1910	147	12	140 140	944.35	2.68	0.29	1.99 Open
1909	1910	1904	87	12		944.35	2.68	0.17	1.99 Open
191	90	142	262.44	8	140	-10.91	0.07	0	0 Open
1910	1904	1911	32	12	140	20.9	0.06	0	0 Open
1911	1908	1912	36	6	140	0	0	0	0 Open
1912	1908	1913	185	10	140	240.71	0.98	0.07	0.39 Open
1913	1909	1914	46	6	140	0	0	0	0 Open
1914	1401	1909	395	8	140	-175.13	1.12	0.25	0.63 Open
1915	1913	1915	684	6	140	0	0	0	0 Open
1916	1916	1917	184	8	140	0	0	0	0 Open
1917	1917	1907	416	10	140	0	0	0	0 Open
1918	1905	1901	613	10	140	-263.64	1.08	0.28	0.45 Open
1919	1918	1808	1,074.00	12	140	923.45	2.62	2.05	1.91 Open
193	142	136	672.78	8	140	10.96	0.07	0	0 Open
195	134	144	293.09	8	140	-25.3	0.16	0.01	0.02 Open
197	144	146	258.91	8	140	-34.69	0.22	0.01	0.03 Open
199	146	148	270.67	8	140	-40.3	0.26	0.01	0.04 Open
201	201	202	111	6	140	0	0	0	0 Open
202	203	204	14	6	140	o	0	0	0 Open
204	207	203	113	10	140	-53.73	0.22	0	0.03 Open
205	208	209	17	6	140	o	0	0	0 Open
206	211	202	253	6	140	24.56	0.28	0.02	0.07 Open
207	207	202	394	6	140	59.6	0.68	0.14	0.35 Open
208	202	212	353	6	140	31.28	0.35	0.04	0.11 Open
209	213	222	231	6	140	31.28	0.35	0.02	0.11 Open
21	16	14	13.73	6	140	55.68	0.63	0	0.32 Open
210	215	212	97	6	140	0	0	0	0 Open
211	212	213	204	6	140	31.28	0.35	0.02	0.11 Open
212	216	213	99	6	140	Ö	Q	Q	0 Open
213	217	211	58	6	140	Ō	0	0	0 Open
214	207	219	359	10	140	-5.87	0.02	o	0 Open
215	211	214	483	6	140	-24.56	0.28	0.03	0.07 Open
216	219	220	10	6	140	0	0	O	0 Open
217	218	214	119	6	140	89.43	1.01	0.09	0.74 Open
218	203	205	541	10	140	-53.73	0.22	0.01	0.02 Open
219	205	210	459	10	140	-73.03	0.3	0.02	0.04 Open
220	210	208	464	10	140	-73.03	0.3	0.02	0.04 Open
221	219	218	359	10	140	-5.87	0.02	0	0 Open
223	222	214	326	6	140	-64.86	0.74	0.13	0.41 Open
225	142	150	272.67	8	140	-26.55	0.17	0.01	0.02 Open
227	150	152	294.57	8	140	-32.82	0.21	0.01	0.03 Open
229	152	154	265.97	8	140	-42.07	0.27	0.01	0.04 Open
23	14	18	19.25	10	140	115.7	0.47	0.01	0.1 Open
								0	
231	154	148	912.39	8	140	4.85	0.03		0 Open
233	152	146	902.12	8	140	0.92	0.01	0	0 Open
235	150	144	915.38	8	140	-2.29	0.01	0	0 Open
237	1806	156	255.01	12	140	923.45	2.62	0.49	1.91 Open
239	158	156	432.38	8	140	-4.84	0.03	0	0 Open
243	301	162	509.87	10	140	4.44	0.02	0	0 Open
245	160 J486		443.25	10	140	113.46	0.46	0.04	0.09 Open

247	801	164	115.25	10	140	0	0	0	0 Open
251	1702	168	93.19	10	140	508.49	2.08	0.14	1.54 Open
253	170	1704	93.91	10	140	508.49	2.08	0.14	1.53 Open
257	1202	174	2	6	140	0	0	0	0 Open
259	176	172	2	6	140	-212.03	2.41	0.01	3.66 Open
261	250	301	1,502.55	12	140	136.05	0.39	0.08	0.05 Open
265	420	178	371.52	10	140	355.56	1.45	0.29	0.79 Open
267	944	946	89	6	140	35.34	0.4	0.01	0.13 Open
269	1402	180	666.19	8	140	-34.35	0.22	0.02	0.03 Open
27	18	20	14.05	6	140	34.74	0.39	0	0.14 Open
271	182	1414	461,47	8	140	-38.63	0.25	0.02	0.04 Open
273	184	182	364.14	8	140	-38.63	0.25	0.01	0.04 Open
275	184	186	573.86	8	140	38.63	0.25	0.02	0.04 Open
277	186	180	493.03	8	140	34.35	0.22	0.02	0.03 Open
279	50	188	153	8	140	215.67	1,38	0.14	0.93 Open
281	188	190	421.56	12	140	-23.5	0.07	0	0 Open
283	190	192	1,939.78	6	140	-23.98	0.27	0.13	0.06 Open
285	194	196	320.75	6	140	6.91	0.08	0	0.01 Open
287	196	192	185.1	8	140	14.05	0.09	0	0.01 Open
289	198	196	422.04	6	140	7.15	0.08	0	0.01 Open
29	18	22	20.01	10	140	80.96	0.33	0	0.05 Open
291	200	198	100	8	140	-6.91	0.04	0	0 Open
293	192	224	313,5	6	140	-9.92	0.11	0	0.01 Open
295	198	226	315.01	6	140	-14.05	0.16	0.01	0.02 Open
297	226	224	603.75	6	140	9.92	0.11	0.01	0.01 Open
299	226	1703	1,186.12	6	140	-23.98	0.27	0.08	0.06 Open
301	817 J368		1,261.75	6	140	-127.64	1.45	1.8	1.43 Open
302	302	303	175.00	8	140	181.49	1.16	0.12	0.68 Open
304	252	414	369.47	8	140	6.7	0.04	0	0 Open
306	304	305	347	6	140	47.72	0.54	0.08	0.23 Open
307	305	302	562	6	140	23.9	0.27	0.04	0.06 Open
31	1325	24	20.51	12	140	158.56	0.45	0	0.07 Open
33	1701	26	370.51	10	140	-420.99	1.72	0.4	1.08 Open
331	272	248	860.42	8	140	-0.98	0.01	0	0 Open
333	178	250	792.54	12	140	355.56	1.01	0.26	0.33 Open
335	252 J164		310.08	8	140	47.72	0.3	0.02	0.06 Open
337	250	252	843.3	8	140	219.51	1,4	0.81	0.96 Open
35	26	28	186.16	8	140	-42.51	0.27	0.01	0.04 Open
37	26	30	555.25	10	140	-378.48	1.55	0.49	0.89 Open
375	256 1482		598,25	10	140	-131.6	0.54	0.08	0.13 Open
377	925	258	403.83	6	140	-10.79	0.12	0.01	0.01 Open
379	920	260	338.29	6	140	-48.89	0.55	0.08	0.24 Open
383	264 J168		282.54	8	140	8.68	0.06	0	0 Open
385	12	266	268.56	12	140	137.73	0.39	0.02	0.06 Open
387	266 1494		587.79	12	140	137.73	0.39	0.03	0.06 Open
389	417	268	46.25	12	140	-226.51	0.54	0.01	0.14 Open
39	30	32	219.52	8	140	268.85	1.72	0.31	1.4 Open
391	270	264	46.77	12	140	137.73	0.39	Q	0.05 Open
395	246	272	392.95	8	140	13.03	0.08	0	0 Open
397	712	274	361.94	8	140	44.88	0.29	0.02	0.05 Open
399	274	276	335.14	8	140	37.7	0.24	0.01	0.04 Open
401	401	402	458	6	140	7.47	0.08	0	0.01 Open

402	939 1172		8.14	8	140	14.68	0.09	0	0 Open
403 1188	1190		798.07	4	140	4.41	0.11	0.02	0.02 Open
404	402	405	136	4	140	0	0	0	0 Open
405	402	406	651	6	140	-3.35	0.04	0	0 Open
406	407	427	223	6	140	-4.02	0.05	0	0 Open
407	408	945	480	12	140	-333.51	0.95	0.14	0.29 Open
408	408	410	8	4	140	-64.89	1,66	0.02	2.99 Open
409	410	411	202.51	4	140	-21,4	0.55	0.08	0.38 Open
41	32	28	583.8	8	140	118.06	0.75	0.18	0.3 Open
410	412	410	90	4	140	43.49	1.11	0.13	1.4 Open
412	401	407	282	6	140	11.02	0.13	0	0.02 Open
413	407	409	562	6	140	3.42	0.04	0	0 Open
414 /190	1166		6.91	6	140	27.13	0.31	0	0.07 Open
415 1190		421	3.94	4	140	-22.72	0.58	0	0.5 Open
417	409	416	143	6	140	0	a	0	0 Open
418	403	415	6	4	140	22.72	0.58	o	0.41 Open
419	417	264	334,71	10	140	-129.05	0.53	0.04	0.12 Open
421	268	422	350.75	12	140	-226.51	0.64	0.05	0.14 Open
422	418	420	294	10	140	355.56	1.45	0.23	0.79 Open
423	415	421	10	4	140	22.72	0.58	0	0.39 Open
424	409	426	481	6	140	-5.46	0.06	0	0 Open
425	419	10	328.25	12	140	-234.67	0.67	0.05	0.15 Open
426	417	418	83	10	140	355.56	1.45	0.07	0.79 Open
427	422	419	356	12	140	-226.51	0.64	0.05	0.14 Open
428	423	424	916	12	140	-398.4	1.13	0.37	0.4 Open
429	424	425	355	12	140	-398.4	1.13	0.14	0.4 Open
43	32	34	211.76	8	140	138.43	0.88	0.09	0.41 Open
430	425	408	461	12	140	-398.4	1.13	0.19	0.4 Open
431	426	405	234	6	140	-5.46	0.06	0	0 Open
432	427	428	385	6	140	-4.02	0.05	0	0 Open
433	428	406	236	6	140	-4.02	0.05	0	0 Open
435	276	246	272.98	8	140	37.7	0.24	0.01	0.04 Open
437	246	278	335.29	8	140	17.24	0.11	0	0.01 Open
439	278	280	274.02	8	140	11,1	0.07	0	0 Open
441	280	282	265.68	8	140	4.68	0.03	0	0 Open
443	272	284	656.02	8	140	9.66	0.06	o	0 Open
445	284	280	369.8	8	140	-0.84	0.01	o	0 Open
451	176	288	321.81	8	140	212.03	1.35	0.29	0.9 Open
453	288	290	690	8	140	206.71	1.32	0.59	0.86 Open
455	290	292	280.75	8	140	206.71	1.32	0.24	0.86 Open
457	292	42	133.41	8	140	-3.94	0.03	0	0 Open
459	294	296	204.84	8	140	-78.56	0.5	0.03	0.14 Open
461	296	292	528.51	8	140	-197.66	1.26	0.42	0.79 Open
463	298	308	261.52	8	140	109	0.7	0.07	0.26 Open
465	296	298	285.74	8	140	119.1	0.76	0.09	0.31 Open
467	298	300	179.06	8	140	2.18	0.01	0	0 Open
469	308	286	192.04	8	140	103.02	0.66	0.05	0,24 Open
47	38	40	274	8	140	217,22	1,39	0.26	0.94 Open
471	308	310	176.53	8	140	2.82	0.02	0	0 Open
	1412	316	173.5	8	140	222.1	1.42	0.17	0.98 Open
481	316	318	601.64	8	140	123.34	0,79	0.2	0.33 Open
	1420	318	124.54	8	140	-46.48	0.3	0.01	0.05 Open
1.15	- 165	310	******		1.10		0.0	area.	and achen

485	318	320	805.5	8	140	31.1	0.2	0.02	0.03 Open
487	1319	320	125.55	8	140	-38.5	0.25	0	0.04 Open
489	322	324	1,143:50	8	140	9.45	0.06	0	0 Open
45	40	36	176.87	8	140	210.28	1.34	0.16	0.89 Open
493	324	326	255.16	8	140	2.27	0.01	0	0 Open
493	326	320	257.33	8	140	13.7	0.09	0	0.01 Open
495	322	328	243.75	8	140	-16.63	0.11	0	0.01 Open
497	328	330	240.77	8	140	20.51	0.13	0	0.01 Open
499	330	318	251.5	8	140	-41.72	0.27	0.01	0.04 Open
501	501	1024	375	8	140	-87.01	0.56	0.06	0.17 Open
5011U	7008	WELLS	1	10	150	0	Ó	0	0 Open
502	502	501	309	8	140	-35.12	0.22	0.01	0.03 Open
503	501	412	1,036.00	8	140	50.75	0.32	0.07	0.06 Open
504		502	1,013.79	6	140	-31.08	0.35	0.11	0.1 Open
505		326	887.28	8	140	17.81	0.11	0.01	0.01 Open
507			341.94	8	140	157.5	1.01	0.18	0.52 Open
509		J520	1,018.53	10	140	-117.98	0.48	0.1	0.1 Open
51			302.05	8	140	-3.94	0.03	0	0 Open
511			296.02	8	140	-112.67	0.72	0.08	0.28 Open
515			167.23	8	140	112.67	0.72	0.05	0.28 Open
519			170.24	8	140	-2.98	0.02	0	0 Open
517			244.99	10	140	550.79	2.25	0.44	1.78 Open
519	5 State 1		350.61	8	140	-109.69	0.7	0.09	0.26 Open
521			554.84	8	140	-25.42	0.16	0.01	0.02 Open
53			276.26	8	140	222.06	1.42	0.27	0.98 Open
531		1396	700.62	10	140	-92.56	0.38	0.05	0.07 Open
539			7.07	8	130	71.6	0.46	0	0.14 Open
541		1431	271.5	8	140	-127.8	0.82	0.1	0.35 Open
545		356	252.25	12	140	416,31	1.18	0.11	0.44 Open
547		909	6.34	8	130	-16.37	0.1	0	0 Open
55		48	201.5	8	140	-2.58	0.02	0	0 Open
57			277.5	8	140	231.67	1.48	0.29	1.06 Open
59			236.26	8	140	239.17	1.53	0.27	1.12 Open
	J146	605	697.1	10	140	-106.93	0.44	0.06	0.09 Open
60303D	500S	160	1	8	150	0	0	0	0 Open
60303U		5005	1	В	150	0	0	0	0 Open
60305D	190058	176	1	2	150	0	0	0	0 Open
60305U	and the second sec	190058	1	2	150	0	0	0	0 Open
60307D	190052	172	1	8	150	431.91	2.76	0	2.93 Open
60307U		190052	2	8	150	431,91	2,76	0	2.93 Open
604		1100	1,159.03	10	140	-106.93	0.44	0.1	0.09 Open
605		601	128.00	10	140	-117,98	0.48	0.01	0.1 Open
60810D	1500S	166	1	10	150	0	0	0	0 Open
60810U		15005	1	10	150	0	0	0	0 Open
60844D	ARGILE	836	1	6	150	72.08	0.82	0	0.49 Open
60844U		ARGILE	ĩ	6	150	72.09	0.82	ō	0.49 Open
61			198.25	8	140	-2.58	0.02	Q	0 Open
63		38	196.75	8	140	-2.26	0.01	D	0 Open
00		56	249.34	8	140	139.49	0.89	0.1	0.42 Open
65		50	in the off						
65		58	267.15	8	140	116.04	0.74	0.08	0.29 Onen
65 67 69	56	58 60	267.15 288.25	8	140 140	116.04 131.05	0.74	0.08	0.29 Open 0.37 Open

706	704	714	559	8	140	10,1	0.06	0	0 Open
707	714	706	264	8	140	10.1	0.06	0	0 Open
708	837	709	801	8	140	31.5	0.2	0.02	0.03 Open
70812U	810 WEL		1	99	150	O	0	0	0 Open
709	838	713	937	8	140	33.55	0.21	0.03	0.03 Open
71	60	50	282.81	8	140	153.32	0.98	0.14	0.49 Open
710	709	708	123	8	140	3.48	0.02	0	0 Open
711	709	710	160	8	140	28.02	0.18	0	0.02 Open
712	710	711	383.51	8	140	4.28	0.03	0	0 Open
713	710	713	298	8	140	20.6	0.13	0	0.01 Open
714	713	712	252	8	140	44.88	0.29	0.01	0.05 Open
73	62	50	1,003.00	8	140	72.11	0.46	0.12	0.12 Open
75	60	64	989.75	8	140	-33.01	0.21	0.03	0.03 Open
77	64	62	280.5	8	140	84.13	0.54	0.05	0.16 Open
79	62	66	225.51	8	140	4.36	0.03	0	0 Open
801	801	802	283	8	140	131.22	0.84	0.1	0.37 Open
802	803	802	190	6	140	0	0	0	0 Open
803	804	805	610	6	140	54.14	0.61	0.18	0.29 Open
804	805	1301	340	8	140	167.09	1.07	0.2	0.58 Open
805	802	805	277	8	140	123.3	0.79	0.09	0.33 Open
808	807	808	1.52	6	140	-130.67	1.48	0.23	1,49 Open
809	808	1314	265	6	140	-84.65	0.96	0.18	0.67 Open
81	58	68	1,014.50	8	140	-22.75	0.15	0.01	0.01 Open
811	801	809	263.00	10	140	-131.22	0.54	0.03	0.12 Open
813	811	812	73	б	140	o	0	0	0 Open
814	806	813	745	6	140	-17.43	0.2	0.03	0.04 Open
815	813	814	486	8	140	10.08	0.06	0	0 Open
816	813	815	416	6	140	-38.89	0.44	0.07	0.16 Open
817	344	820	661.51	10	140	-612.47	2.5	1.43	2.17 Open
818	815	816	458	8	140	68.15	0,43	0.05	0.11 Open
819	815	817	403	6	140	-116.4	1.32	0.49	1.2 Open
820	811	818	518	10	140	-592.45	2.42	1.06	2.04 Open
821	817	834	369	6	140	10.02	0.11	0	0.01 Open
822	809	806	236	10	140	-136.62	0.56	0.03	0.13 Open
823	820	821	249	10	140	-523.57	2.14	0.4	1.62 Open
824	821	811	60	10	140	-592.45	2.42	0.12	2.03 Open
825	820	823	443	8	140	-127.56	0.81	0.16	0.35 Open
826	821	822	406	6	140	62.27	0.71	0.15	0.38 Open
827	823	822	245	6	140	-62.84	0.71	0.09	0.38 Open
828	823	824	344	8	140	-67.86	0.43	0.04	0.11 Open
829	824	825	292	8	140	-76.34	0.49	0.04	0.14 Open
83	56 J158		1,024.31	8	140	16.76	0.11	0.01	0.01 Open
830	822	826	230.00	6	140	-8.57	0.1	0	0.01 Open
831	826	827	239	6	140	-8.57	0.1	0	0.01 Open
832	827	831	163	6	140	-31.17	0,35	0,02	0.1 Open
833	825	827	979	6	140	-13.4	0.15	0.02	0.02 Open
834	825	828	270	8	140	-72.62	0.46	0.03	0.12 Open
835	828	829	121	6	140	-16.17	0.18	D	0.03 Open
836	828	830	92	8	140	-63.88	0.41	0.01	0.1 Open
837	832	837	120	8	140	-3.96	0.03	O	0 Open
838	814	833	134	8	140	4.04	0.03	0	0 Open
839	816	835	165	8	140	66.05	0.42	0.02	0.1 Open
0.00	~ 19	202	100	4	1.0	50.00		4.46	Sie Shou

040	0.75		105		140	<b>C</b> 04	0.00		
840	835	814	165	8	140	-6.04	0.04	0	0 Op
841	837	836	165	8	140	-35.46	0.23	0.01	0.03 Op
842	836	838	165	8	140	36.61	0.23	0.01	0.03 Op
843	834	819	180	6	140	5,9	0.07	0	0.01 Op
85	68 J1		266.43	8	140	-96.43	0.62	0.06	0.21 Op
87	68	64	286.78	8	140	121.91	0,78	0.09	0.32 Op
89	82	72	268.54	8	140	35.2	0.22	0.01	0.03 Op
901	901	808	977	6	140	54.02	0.61	0.28	0.29 Op
902	901	1419	252	8	140	-84.07	0.54	0.04	0.16 Op
903 118		902	1,177.08	4	140	20.18	0.52	0.4	0.34 Op
904	1001	1436	845.00	6	140	-42.43	0.48	0.16	0.19 Op
905	901 /11		650.53	8	140	21.41	0.14	0.01	0.01 Op
906	907	952	313.24	6	140	25.48	0.29	0.02	0.07 Op
907	903	908	127	6	140	0	0	0	0 Ot
908	909	906	85	6	140	-15.22	0.17	0	0.03 Op
91	72 11		282.3	8	140	79.67	0.51	0.04	0.15 Op
910	818	911	402	6	140	-51.11	0.58	0,11	0.26 0
911	912	340	583.05	10	140	451.28	1.84	0.72	1.23 Op
912	909	905	229	б	140	-70.5	0.8	0.11	0.48 Op
913	905	913	23	12	140	-111.38	0.32	0	0.04 Or
914	913	914	7	6	140	-8.4	0.1	0	0 0
915	911	955	202	6	140	5.08	0.06	0	0 0
916	916	956	506.22	6	140	81.13	0.92	0.31	0.62 Of
917	917	918	346	6	140	-32.6	0.37	0.04	0.11 Op
918	918	919	515	6	140	20.8	0.24	0.03	0.05 Op
919	912	920	452	8	140	66.12	0.42	0.05	0.1 0
920	902	921	603	4	140	14.29	0.36	0.11	0.18 0
921	912	904	11	12	140	-524.58	1.49	0.01	0.67 D
922	902 J17	8	10,54	6	140	-69.35	0.79	0	0.46 Op
923	904	922	18	8	140	0.88	0.01	D	0 0
924	356	904	499.75	12	140	432.68	1.23	0.23	0.47 Op
926	260	924	425.79	6	140	-58.33	0.66	0.14	0.33 Op
927	920	925	311	8	140	110.09	0.7	0.08	0.27 Op
928	258	926	597.39	6	140	-20.55	0.23	0.03	0.05 Op
929	925	916	327.5	8	140	117.74	0.75	0.1	0.3 00
93	74	28	269.43	8	140	-71.43	0.46	0.03	0.12 Op
930	921	927	313	4	140	14.29	0.36	0.06	0.18 Op
932	927	929	404	4	140	14.05	0.36	0.07	0.17 Op
933	918	926	293	6	140	-53.4	0.61	0.08	0.28 Op
934	926	957	163	6	140	-79.51	0.9	0.1	0.59 Op
935	930	924	387	6	140	2.26	0.03	0	0 Op
936	914	924	442	6	140	63.65	0.72	0.17	0.39 Op
937	914	931	278	12	140	-488.36	1.39	0.16	0.59 Op
938	932	933	376	12	140	-223.32	0.63	0.05	0.14 Op
939	933	1011	362	6	140	-19.83	0.23	0.02	0.05 Op
940	931	930	470	6	140	87.91	1	0.34	0.72 Op
941	931	907	153.12	12	140	-581.19	1.65	0.12	0.81 Op
942	934	907	510.4	12	140	618.61	1.75	0.46	0.91 Op
942	933	934	423	12	140	-205.67	0.58	0.46	0.12 Op
945	935			12	140				
944 946		1014	255			-825.5	2.34	0.4	1.55 Op
946 947	935 932	932 1012	205 350	12 6	140 140	-272.41 -49.09	0.77	0.04 0.09	0.2 Op 0.24 Op

	948	919	960	142	6	140	16.92	0.19	o	0.03 Open
	949	937	916	233.53	8	140	-17.65	0.11	0	0.01 Open
	95	76	34	267	8	140	-138.43	0.88	0.11	0.41 Open
	950	929 J17	4	5.93	6	140	-12.21	0.14	0	0 Open
	951 J186	6	929	9.07	4	140	-26.26	0.67	0	0.54 Open
	952	937 J18	6	5.4	4	140	-19.26	0.49	Ø	0.36 Open
	953	937 J17	6	6.73	8	140	32.87	0.21	0	0 Open
	954	939 118	8	6.43	4	140	18.19	0.46	0	0.3 Open
	955 J186	5	941	336.96	4	140	6.99	0.18	0.02	0.05 Open
	956	941 J17	0	9.83	6	140	11.42	0.13	0	0 Open
	957	941 118	8	15.01	4	140	-13.78	0.35	0	0.16 Open
	958	917	936	667	6	140	2.39	0.03	0	0 Open
	959	406	942	264	6	140	-27.27	0.31	0.02	0.08 Open
	961	945	943	277	12	140	-308.91	0.88	0.07	0.25 Open
	962	943	1022	494	6	140	-53.21	0.6	0.14	0.28 Open
	963	945	946	112	6	140	-35.34	0.4	0.01	0.13 Open
	964	1434	948	992	6	140	32.83	0.37	0.11	0.12 Open
	965	943	935	524	12	140	-255.7	0.73	0.09	0.18 Open
	966	947	1018	280	6	140	0	0	0	0 Open
	967	948	1001	361	6	140	32.83	0.37	0.04	0.11 Open
	968	905	949	775	6	140	22.88	0.26	0.05	0.06 Open
	969	949	950	165	6	140	22.88	0.26	0.01	0.06 Open
	97	76	74	773.64	8	140	26.06	0.17	0.01	0.02 Open
	970	950	951	154	6	140	22.88	0.26	0.01	0.06 Open
	971	951	906	707	6	140	22.88	0.26	0.04	0.06 Open
	972	952	961	146	6	140	25.48	0.29	0.01	0.07 Open
	973	961	903	277	6	140	25.48	0.29	0.02	0.07 Open
	974	955	915	397	6	140	5.08	0.06	0	0 Open
	975	956	911	820	6	140	81.13	0.92	0.51	0.62 Open
	976	942	953	182	6	140	-24.97	0.28	0.01	0.07 Open
	977	957	930	296	6	140	-79.51	0.9	0.18	0.59 Open
	980	960	936	287	6	140	16.92	0.19	0.01	0.03 Open
	981	953	954	279	6	140	-24.97	0.28	0.02	0.07 Open
	982	954	917	167	6	140	-24.97	0.28	0.01	0.07 Open
	99	172	78	254.25	8	140	80.38	0.51	0.04	0.15 Open
P101	J56	158		421.45	8	140	-8.5	0.05	0	0 Open
P103	J58	J60		125.36	8	140	-19.63	0.13	0	0.01 Open
P105	158	J62		588.61	8	140	5.48	0.03	Ø	0 Open
P107	J56	J62		433.3	12	140	-14.45	0.04	O	0 Open
P109	J62	J64		229.85	12	140	-18.25	0.05	σ	0 Open
P11	J22	120		519.17	8	100	-7.6	0.05	0	0 Open
P111	J86	190		275.61	8	140	15.43	0.1	0	0.01 Open
P113	J90	192		246.39	8	140	15.42	0.1	0	0.01 Open
P115	J90	J94		555.81	8	140	-4.43	0.03	O	0 Open
P117	194	J50		624.21	8	140	-8.39	0.05	0	0 Open
P119	J50	148		136.84	8	140	1.3	0.01	0	0 Open
P121	J96-	174		187.89	8	140	14.88	0.09	0	0.01 Open
P123	100	242 196		306.37	8	140	32.19	0.21	0.01	0.03 Open
P125	J98		284	207.43	8	140	-3.56	0.02	0	0 Open
P127	540	166	704	111.75	10	140	0	0	0	0 Open
P129		704	703	404	10	140	-11.24	0.05	ō	0 Open
	J28	J16	1.4.4	400.79	8	100	-1.54	0.01	0	0 Open

P131	-	703	707	491.03	12	140	-27.56	0.08	0	0 Oper
P133		707	312	138	12	140	-28.04	0.08	0	0 Open
P135	3	312	248	493.25	12	140	-28.04	0.08	Ó	0 Oper
137	1	248	286	246.52	12	140	37.02	0.11	0	0 Oper
139	1	286	701	323.24	12	140	126.48	0.36	0.02	0.05 Oper
141	1	701 1528		645.5	12	140	126.48	0.36	0.03	0.05 Oper
143		36	602	164.5	12	140	336.76	0.96	0.05	0.29 Oper
145	ł	502 1532		1,279.55	12	140	336.76	0.96	0.38	0.29 Oper
147		501	242	600.00	8	140	29.52	0.19	0.01	0.02 Oper
149		242	254	673.11	8	140	3.47	0.02	0	0 Oper
15		01 110		494.54	12	140	115.78	0.33	0.02	0.04 Oper
151	7	254 1210		584.25	8	140	-3.47	0.02	0	0 Oper
153		238 1292		737.99	8	140	-24.8	0.16	0.01	0.02 Oper
155		101	234	283.94	8	140	-141.31	0.9	0.12	0.42 Oper
157		234	1102	663.02	8	140	-141.31	0,9	0.28	0.42 Oper
159		102	1604	274.93	8	140	-155.11	0.99	0.14	0.51 Oper
161	J100	J332		927.91	10	140	-92.56	0.38	0.06	0.07 Oper
163	J102	J146		96.88	10	140	-77.87	0.32	0	0.05 Oper
169		48	1920	353.41	8	140	73.81	0.47	0.05	0.13 Oper
171		20 1108	20.50	417.43	8	140	62.35	0.4	0.04	0.09 Oper
173	J108		68	637.67	8	140	54.69	0.35	0.05	0.07 Oper
177	1114	J116		104.1	8	140	78.56	0.5	0.02	0.15 Oper
179	1116		248	628.67	8	140	78.56	0.5	0.09	0.14 Oper
189	1122	J148	2.14	722.63	12	140	-113.46	0.32	0.03	0.04 Oper
19	J10	J36		228.94	12	140	64.28	0.18	0	0.01 Oper
191	1120	J148		666,61	12	140	113.46	0.32	0.03	0.04 Oper
193	1120	J100		63,48	16	140	14.38	0.02	0	0 Oper
197	J124	168		665.27	12	140	60.13	0.17	0.01	0.01 Oper
199	J120	1126		927.72	12	140	-127.84	0.36	0.05	0.05 Open
201	1126	1128		692.73	12	140	-127.84	0.36	0.03	0.05 Oper
203	J128	1544		1,031.39	12	140	-127.84	0.36	0.05	0.05 Open
205	1130	J124		120.02	12	140	-128.98	0.37	0.01	0.05 Open
207	J132	J134		1,816.37	12	140	-113.46	0.32	0.07	0.04 Open
209	J134	1124	106	1,797.91	12	140	-113.46	0,32	0.07	0.04 Open
21	J36	J12	100	507.99	12	140	47	0.13	0.07	0.01 Open
211		.06 J122		132.03	12	140	-113.46	0.32	0.01	0.01 Open
213		60 J122		49,02	12	140	-113.46	0.32	0.01	0.04 Open
225		24 J150		194.14	8	140	8.48	0.05	a	0.04 Open
227	122	J152		271.59	8	100	19.33	0.12	0.01	0.02 Open
229	122	J152		511.14	8	100	13.2	0.08	0.01	0.01 Open
229	J32	138		26.68	8	140	-3.72	0.02	Ó	0 Open
231	J152	J154		309.71	8	140	30.27	0.19	0.01	0.03 Open
233	1154	1154		92.36	8	140	30.27	0.19	0.01	0.02 Open
235	J156		1605		8			0.19	0.01	0.02 Open
			1605	464.64		140	30.27			and the second se
237	J160	94 J160 J162		57.4	8 8	140 140	78.56 78.56	0.5	0.01 0.03	0.14 Open
239				232.45						0.14 Open
241	J162	J114	204	178.53	8	140	78.56	0.5	0.03	0.14 Open
243	J164		304	190.19	6	140	47.72	0.54	0.04	0.23 Open
245	J166		401	259.15	6	140	27.13	0.31	0,02	0.08 Open
247 251	J168		403	8.14	8	140	8:04	0.05	0	0 Open
151	J170		942	965.24 803.87	6 8	140 140	11.42 14.68	0.13	0.02	0.02 Open 0.01 Open

P257	J174	936	328.29	6	140	-12.21	0.14	0.01	0.0
P259	J176	939	345.27	8	140	32.87	0.21	0.01	0.0
P263	J178	909	494.46	6	140	69.35	0.79	0.23	0.4
P265	J180	904	14.47	8	140	21.41	0.14	0	
P269	1182	1430	1,101.94	6	140	-37.55	0.43	0.16	0.1
P273	10		1,504.12	12	140	221.98	0.63	0.21	0.1
P285	1194	1704	34.04	10	140	-647.33	2.64	0.08	2.4
P287	2600S	J196	34.32	10	140	647.33	2.64	0.08	2,3
P289	1194	26005	35,39	10	140	647.33	2.64	0.08	2.
P29	138	J36	298.34	8	140	-10.98	0.07	O	
P291		68 1198	1	10	140	508.49	2.08	0	1.4
P293	1198	170	1	10	140	508.49	2.08	0	1.4
P307		05 1204	211.51	12	100	-150.89	0.43	0.03	0.1
P309		05 1206	660.53	8	100	1.38	0.01	0	
P31	J40	]44	126.72	4	140	0	0	0	
P311	J46	J284	990.78	8	140	9.87	0.06	0	
P313	1208	J60	248.55	8	140	19.63	0.13	0	0.0
P315	1210	238	327,46	8	140	-24.8	0.16	0.01	0.0
P317	1210	1552	330.1	8	140	21.34	0.14	0	0.0
P325	1218	138	205	8	140	-55.88	0.36	0.02	0.0
P327	J204	CHARTER	197.92	12	140	0	0	0	9
P329	CHARTEI		257.04	12	140	0	0	0	- 9
P33	J44	J42	118.46	4	140	0	0	0	1.1
P331		27 1220	624.54	8	140	226.93	1.45	0.64	1.0
P333	J220	J226	333.27	8	140	226.93	1.45	0.34	1.0
P335	J222	J224	462.93	12	140	48.93	0.14	0	0.0
P337	1224	J204	427.47	12	140	150.89	0.43	0.03	0.0
P339	J226	J222	646,68	8	140	124.97	0.8	0.22	0.3
P341	J224	J226	959,21	8	140	-101.96	0.65	0.22	0.2
P343	J228	J22	304	8	140	14.23	0.09	0	0.0
P345	1228	1230	244.37	8	140	-11.31	0.07	Ø	1.10
P347	1230	J232	319.46	8	140	-7	0.04	0	- 9
P349	1232	J234	229.27	8	140	-11.31	0.07	0	1.19
P35	144	138	238.56	8	140	-7.26	0.05	0	1.19
P351	1234	1236	194.57	8	140	-7.69	0.05	0	
P353	J236	J238	198.04	8	140	-5.9	0.04	0	19
P355	JZ38	J34	318.52	8	140	-12.87	0.08	0	1.0
P357	J230	J232	783.82	8	140	-4.31	0.03	0	
P359	J236	J238	725.93	8	140	-2.93	0.02	0	1.18
P361	J234	J14	406.33	8	140	-8.62	0.05	0	
P363	J78	J244	150.45	12	100	-7.53	0.02	0	1.5
P365	J244	1242	225,93	8	140	-11.57	0.07	0	
P367	1244	J246	486,16	8	140	2.18	0.01	0	
P369	1248	1208	342,12	8	140	9.76	0.06	0	
P37	J12	126	274.38	8	100	-12.98	0.08	0	0.0
P371	J242	1248	233.05	8	140	-11.57	0.07	0	- 1
P375	1250	1252	253.76	12	140	6.27	0.02	0	
P377	J252	1254	159.73	12	140	1.14	0	0	
P379	192	1250	441.22	8	140	13.64	0.09	0	0.0
P381	J250	J256	335.5	8	140	4.47	0.03	0	(
P383	J256	J258	218.78	8	140	3.43	0.02	D	(
P385	J258	1252	313.09	8	140	-5.13	0.03	0	1

P387	J260	1536	500.72	8	140	-0.48	0	0	0 Open
P389	WELL3	J262	996.46	10	140	0	0	0	0 Open
P39	J26	146	125.95	8	100	9.87	0.06	0	0 Open
P393	1262	J280	120.32	16	140	0	0	0	0 Open
P395	WELL4	P J264	69.54	12	140	0	0	0	0 Open
P399			344 592.19	16	140	-612.47	0.98	0.13	0.22 Open
P405	1	306 1	305 714.29	16	140	-53.98	0.09	0	0 Open
P407	1	305 1	307 249.38	16	140	-224.04	0.36	0.01	0.03 Open
P409	1	307 1	302 235.98	16	140	-324.35	0.52	0.02	0.07 Open
P41	J10	J26	100	8	140	41.66	0.27	0	0.04 Open
P411	1	302 .	804 275.16	16	140	-403.46	0.64	0.03	0,1 Open
P413		804 8	806 611.54	16	140	-471.96	0.75	0.08	0.14 Open
P415	J274	J402	1,583.54	16	140	158.39	0.25	0.03	0.02 Open
P419	1270	19	919 3,295.09	16	140	1,515.50	2.42	3.87	1.18 Open
P423	J272	J274	714.32	36	140	-0.16	O	0	0 Open
P425	1274		24 25.7	16	140	-158.56	0,25	0	0.02 Open
P43	134	112	282.13	8	140	-15.13	0.1	0	0.01 Open
P431	J278	J266	5	16	140	-0.16	0	0	0 Open
P433	J266	1272	5	16	140	-0.16	0	0	0 Open
P435	1280	1264	2,449.53	16	140	Q	0	o	0 Open
P437	WELL5	1280	135.75	10	150	0	O	α	0 Open
P443	T5000	1268	528.29	16	140	1,396.74	2.23	0.53	1,01 Open
P445	T5002	J270	170.24	16	140	1,515.50	2,42	0.2	1.18 Open
P45	J12	J14	599.98	12	140	38.31	0.11	0	0.01 Open
P459	J278	J264	97.91	16	140	0.16	0	0	0 Open
P461	15	509 J282	364,3	6	140	0	0	0	0 Open
P463	2	200 1	194 422	8	140	6.91	0.04	0	0 Open
P465	J284	1290	278.18	8	140	9.87	0.06	0	0 Open
P469	1290	J208	598.09	8	140	9.87	0.06	0	0 Open
P47	126	130	591.41	8	140	16.15	0.1	0	0.01 Open
P471	J292		180.49	8	140	-24.8	0.16	Q	0.02 Open
P49	130	114	257.11	8	140	12,59	0.08	σ	0.01 Open
P497	J332	J378	320.5	10	140	-92,56	0.38	0.02	0.05 Open
P51	J14	J16	534.13	12	140	36.73	0.1	0	0 Open
P53	J16	120	260.66	12	140	28.07	0.08	0	0 Open
P55	J20	J18	281.7	12	140	0.72	0	0	0 Open
P559	1366		56 73.08	6	140	-127.64	1.45	0.1	1.43 Open
P561	J368	J366	321,21	6	140	-127.64	1.45	0.46	1.43 Open
PS7	J16	J228	680.79	8	140	5.74	0.04	0	0 Open
P59	J20	J24	283.73	8	140	16.34	0.1	0	0.01 Open
P613	J378		50 278.51	10	140	-92.56	0.38	0.02	0.07 Open
P615	1396		32 384.23	10	140	-92.56	0.38	0.02	0.06 Open
P63		01 J124	65.98	10	140	189.11	0.77	0.02	0.24 Open
P65	J68	166	369.2	12	140	48.56	0.14	0	0.01 Open
P657	1400	13		6	140	-14.55	0.17	0	0.03 Open
P659	J402	13	a de la constante de	16	140	158.39	0.25	0.01	0.02 Open
P67	J66	184	250.72	12	140	2.98	0.01	0	0 Open
P671	J406	16		10	140	-241.79	0.99	0,13	0.39 Open
P69	J68	J70	267.03	8	140	8.27	0.05	0	0 Open
P71	J70	172	444.74	8	140	-6.41	0.04	0	0 Open
P73	J72	J96	342,49	8	140	-13.27	0.08	0	0.01 Open
P735	J456	1458	268.23	10	140	-647.33	2,64	0.64	2.4 Open

P737	1458	1196	372.21	10	140	-647.33	2.64	0.89	2.4 0
P75	174	J76	395.44	8	140	8.5	0.05	0	00
P751	1466	1468	154.95	8	140	11.05	0.07	0	0 0
P753	1468	J470	328.14	8	140	11.05	0.07	0	00
P755	1470	1605	1,225.42	8	140	-26.97	0.17	0.02	0.02 0
P757	1472	1466	1,151.49	8	140	11.05	0.07	0	0.02
P759	1478	J472	256.09	8	140	86.69	0.55	0.04	0.17 0
P77	176	178	125.19	8	140	-7.53	0.05	0	0.0
P779	1482	301	431.57	10	140	-131.6	0.54	0.05	0.13 0
P781	J486	.218	353.15	10	140	95.3	0.39	0.02	0.07 0
P789	J494	270	516.74	12	140	137.73	0.39	0.02	0.06.0
P79	176	182	287.08	8	140	10.37	0.07	0	0.0
P795	1496	403	675.26	8	140	14.68	0.09	o	0.01 0
P807	J508	1510	381.96	8	140	-66.55	0.42	0.04	0.11 0
P809	1510	1503	341.19	8	140	-66.55	0.42	0.04	0.1 0
P81	J82	J80	151.58	8	140	3.88	0.02	0	0.0
P819	1520	604	371.68	10	140	-117.98	0.48	0.04	0.1 0
P821	1524	601	750.94	12	140	336.76	0.96	0.22	0.29 0
P823	1528	36	390.21	12	140	126.48	0.36	0.02	0.05 C
P825	1532	1524	468.8	12	140	336.76	0.96	0.14	0.29 C
P83	182	170	250.39	8	140	-9.28	0.06	0	0.0
P849	1536	1538	218.07	.8	140	-1.7	0.01	0	0 0
P85	182	J64	442.07	8	140	13.03	0.08	0	0.01 O
P851	J538	1258	139.57	8	140	-3	0.02	0	0.0
P853	1544	1546	135.43	8	140	-127.84	0.82	0.05	0.35 0
P855	J546	J130	359.27	8	140	-127.84	0.82	0.13	0.35 0
P87	164	166	474.58	12	140	-16.76	0.05	0	0.0
P873	1552	1248	365.89	8	140	21.34	0.14	0	0.01 0
P89	166	186	247,1	8	140	24.7	0.16	0	0.02 0
P91	186	J88.	586.41	8	140	3:29	0.02	0	00
P93	<b>J88</b>	J50	588.02	8	140	-2.11	0.01	0	00
P95	150	154	341.35	8	140	-16.64	0.11	0	0.01 0
P97	J54	152	103.18	12	140	6.3	0.02	0	00
P99	154	156	148.25	12	140	-22.94	0.07	0	00
WELL4P	UN WELL4	WELL4P	1	10	150	0	0	a	00

# **APPENDIX D – WATER RIGHTS DATA**

Table 3.1 - Woods Cross City Water Rights Summary Revision Date: May 13, 2014

WR#	Description	Flow (cfs)	Flow(gpm)	Volume (AF)	Priority Date	Perfected?	Proof Due	Point of Diversion
1-3971	Well #3	2	897.6	1447.93	10/29/1969	A		N 1200 ft W 500 ft from SE cor, Sec 26, T 2N, R 1W, SLBM
31-2091	Well #2	0.5	224.4	361.98	5/5/1960	٨		N 1215 ft E 260 ft from 54 cor, Sec 25, T 2N, R 1W, SLBM
31-4569	Well #4 and #5	5,66	2540.2	4097.65	2/15/1979	z	9/30/2023 Many	Many
1-5209	Well #4 and #5	4,34	1947.8	3142.02	2/15/1979	z	9/30/2023	Many
31-2398	Well #1	0.668	299.8	483.61	6/13/1934	×		N 1325 ft E 820 ft from SW cor, Sec 30, T 2N, R 1E, SLBM
31-3849	Well #1	0.25	112.2	180.99	10/19/1966	>		
31-2084	Well #1	0.303	136.0	219.36	12/17/1953	A		
31-2059	Well #1, #2, #3, #4, #5	0.4604	206.6	333,31	00/00/1905	z	5/31/2019	5/31/2019 N 1040 ft W 420 ft from E4 cor. Sec 34, T 2N, R 1W, SLBM
1-2068	Well #1, #2, #3, #4, #5	0.1572	70.6	113.81	9681/00/00	z	5/31/2019	5/31/2019 N 1210 ft W 380 ft from E4 cor. Sec 34, T 2N, R 1W, SLBM
31-2069	Well #1, #2, #3, #4, #5	0.3524	158.2	255,13	00/00/1896	z	5/31/2019	5/31/2019 N 1190 ft W 380 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM
31-2070	Well #1, #2, #3, #4, #5	0.103	46.2	74.57	00/00/1900	z	5/31/2019	5/31/2019 N 980 ft W 170 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM
1-2071	Well #1, #2, #3, #4, #5	0.1801	80.8	130.39	00/00/1896	z	5/31/2019	5/31/2019 N 950 ft W 170 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM
1-2145	Well #1, #2, #3, #4, #5	0.2857	128.2	206.84	00/00/1886	z	5/31/2019	5/31/2019 N 500 ft W 55 ft from E4 cor. Sec 34, T 2N, R 1W, SLBM
1-2147	Well #1, #2, #3, #4, #5	0.3524	158.2	255.13	00/00/1896	z	5/31/2019	5/31/2019 N 790 ft W 55 ft from E4 cot, Sec 34, T 2N, R 1W, SLBM
31-2148	Well #1, #2, #3, #4, #5	0.1249	56.1	90.42	00/00/1896	z	5/31/2019	5/31/2019 N 815 ft W 55 ft from E4 cor. Sec 34, T 2N, R 1W, SLBM
31-2149	Well #1, #2, #3, #4, #5	0.1572	70.6	113.81	00/00/1896	z	5/31/2019	5/31/2019 N 880 ft W 55 ft from E4 por, Sec 34, T 2N, R 1W, SLBM
31-2150	Well #1, #2, #3, #4, #5	0.1572	70.6	113.81	9681/00/00	z	5/31/2019	N 835 ft W 55 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM
TOTAL		16.0515	7203.9	11620.76				

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-3971(A39649)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2013 Page 1

WATER RIGHT: 31-3971 APPLICATION/CLAIM NO.: A39649 CERT. NO.:

OWNERSHIP++++++++++++++++++++++++++++++++++++
NAME: Woods Dross City (Public Water Supplier) ADDR: Woods Dross (JT 84087
DATES, ETC. ************************************
LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#: FILED: 10/29/1969(PRIORITY: 10/29/1969)PUB BEGAN: 12/18/1969(PUB ENDED: NEWSPAPER: Davis County Cilpper ProtestEnd: PROTESTED: (No   NEARNG HLD: ISE ACTION: Approved ActionDate:03/02/1970(PROOF DUE: EXTENSION: SLEC/PROOF:[Election]ELEC/PROOF:08/12/1976(CERT/WUC: 08/28/1989(LAP, ETC: LAPS LETTER: RUSH LETTR: RENOVATE: RECON REQ: TYPE:
PD BOOK: [ 31-   MAP: [33db   PUB DATE: Type of Right: Application to Appropriate Source of Info: Water User's Claim Status: Water User's Claim
LOCATION OF WATER RIGHT AND
FLOW: 2.0 cfs
SOURCE: Underground Water Well
COUNTY: Davis COMMON DESCRIPTION:
POINT OF DIVERSION UNDERGROUND:
(1) N 1200 ft W 500 ft from SE cor, Sec 26, T 2N, R 1W, SLEM
(1) N 1200 ft W 500 ft From SE cor, Sec 26, T 2N, R IW, SLEM DIAMETER OF WELL: 18 ins. DEPTH: 394 to Et. YEAR DRILLED: 1970 WELL LOGY Yes WELL ID4: 3336 USES OF WATER RIGHT******* RLU — Equivalent Livestock Unit (cow, horse, etc.) ******* EDU - Equivalent Domestic Unit or 1 Pa (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)
(1) N 1200 ft W 500 ft From SE cor, Sec 26, T 2N, R IW, SLEM DIAMETER OF WELL: 18 ins. DEPTE: 394 to Et. YEAR DRILLED: 1970 WELL LOG? Yes WELL ID4; 3336 USES OF WATER RIGHT******* ELU — Equivalent Livestock Unit (cow, horse, etc.) ******* EDU - Equivalent Domestic Unit or 1 F. (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) SUPPLEMENTAL SROUP NO. 3D402. Water Rights Appurtenant to the Following use(s): 31-2059 (WUC), 2068 (WUC), 2059 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC)
(1) N 1200 ft W 500 ft From SE cor, Sec 26, T 2N, R IW, SLEM DIAMETER OF WELL: 16 ins. DEPTH: 394 to Et. YEAR DRILLED: 1970 WELL LOGY Yes WELL ID4: 3336 USES OF WATER RIGHT******* RLU — Equivalent Livestock Mait (cow, horse, etc.) ******** EDU - Equivalent Domestic Unit or 1 Pa (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)

#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2091(A31917)

(WARNING: Water Rights makes NO claims as to the accuracy of this data, | RUN DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2091 APPLICATION/CLAIM NO.: A31917 CERT. ND.: 6439 OWNERSHIP-NAME: Woods Cross City (Public Water Supplier) ADDR: 1555 South 800 West Woods Cross UT 84087 DATES. ETC. LAND OWNED BY APPLICANT? COUNTY TAX ID#: 05/05/1960(PRIORITY: 05/05/1960(PUB BEGAN: 09/02/1960(PUB ENDED: INEWSPAPER: Davis County Clipper FILED: PROTESTED: (No ) | HEARNG HLD: | ELEC/PROOF: ( ) | ELEC/PROOF: (SE ACTION: [Approved] [ActionDate:03/01/1961 [PROOF DUE: Protest Fors: LAPS LETTER: (CERT/WUC: 02/10/1965)LAP, ETC: EXTENSION : ELEC/PROOF; ( |RENOVATE: 03/05/2004|RECON REQ: TYPE: | RUSH LETTR: 1 PD BOOK: | 31-2 ||MAP: |33da I PUB DATE: Type of Right: Application to Appropriate Source of Inic: Proposed Determination Status: Water User's Claim -----FLOW: 0.5 cfs SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: POINT OF DIVERSION -- UNDERGROUND: (1) N 1215 FL E 260 FL from S4 cor, Sec 25, T 2N, R 1W, S1HM DIAMETER OF WELL: B ins. DEPTH: 252 to Et. YEAR DRILLED: 1953 WELL LOG? Yes. WELL ID4: 3334 USES OF WATER RIGHT\*\*\*\*\*\*\* ELU - Equivalent Livestock Unit (cow, horse, etc.) \*\*\*\*\*\*\*\* EDU - Equivalent Domestic Unit or I Family (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) SUPPLEMENTAL GROUP NO. 30402, Water Rights Appartement to the following use(s): 31-2059 (WUC), 2068 (WUC), 2059 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2149 (WUC), 2149 (WUC), 2149 (WUC), 2149 (WUC), 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) PERIOD OF USE: 01/01 TO 12/31 MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 362.0 A review of the water right certificate issued in 1963 demonstrates the Town of Woods Cross had appropriated and perfected this right for 0.5 cfs for municipal uses under this water right. Additionally, the Water User's Claim prepared in conjunction with the adjudication Mentioned that this historic use established the basis and limit of this right. An evaluation of this established and perfected beneficial use would quantify the right at (0,5 \*724) = 362 acre-feet. \* 

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-4569(A52671)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page 1

WATER RIGHT: 31-4569 APPLICATION/CLAIM NO.: A52671 CERT. NO.:

NAME: Woods Cross City (Public Water Supplier) ADDR: 1555 South 800 West Moods Cross UT 84087 LAND OWNED BY APPLICANT? NO COUNTY TAX ID4: 02/15/1979/PRIORITY: 02/15/1979/PUB BEGAN: 04/05/1979/PUB ENDED: NEWSPAPER: Davis County Clipper FILSE: PROTESTED: (No ISE ACTION: [Approved] [ActionDate:09/06/19/9] PROOF DUE: 09/30/2023 ) (HEARNG HLD: Protect End: CERT/WUC: LAP, ETC: LAPS LETTER: EXTENSION: ELEC/PROOF ( LIELEC/PROOF: |150YR DATE: 09/06/2029 IRENOVATE: 03/18/2004 | RECON REQ: TYPE: | RUSH LETTR: PD BOOK: | 31-IIMAP: [ LIPUB DATE: Type of Right: Application to Appropriate Source of Info: Application to Appropriate Status; Approved LOCATION OF WATER RIGHT -----A REAL PROPERTY AND A REAL FLOW: 5.66 cfs SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: In Woods Cross POINTS OF DIVERSION - UNBERGROUND: (1) N 620 ft E 630 ft From SW cor, Sec 25, T 2N, R 1W, SLEM WELL LOG7 No. WELL IDE: DIAMETER OF WELL: 12 ins. DEPTH: 300 Lo 600 FL, YEAR DRILLED: (2) N 2750 ft E 1250 ft from SW cor, Sec 25, T 2N, R 1W, SLBM DIAMETER OF WELL: 12 ins. DEPTH: 360 Lo 600 ft. YEAR DRILLED: WELL LOG? No WELL IDE: (3) N 384 Et W 886 Et From SE cor, Sec 26, T 2N, R 1W, SLBM DIAMETER OF WELL: 12 ins. DEPTH: 300 Lo 600 It; YEAR DRILLED: WELL LOG? No WELL ID#: Comment: PLS changed - well replacement application 31-5209 (4) S 568 EL W 1060 EL from NE cor, Sec 35, T 2N, R 1W, SLHM DIAMETER OF WELL: 12 Ins. DEPTH: 300 Lo 600 FL. YEAR DRILLED; WELL LOG? No WELL ID#: (5) S 1825 FL W 1060 FL from NE cor, Sec 35, T 2N, R 1W, SLBM DIAMETER OF WELL: 12 Ins. DEPTH: 300 to 600 ft. YEAR DRILLED: WELL LOG? No WELL IDI: 29430 (6) S 1200 ft E 1900 ft from NW cor, Sec 36, T 2N, R 1W, SLBM DIAMETER OF WELL: 12 Ins, DEPTH: 300 to 600 ft, YEAR DRILLED: WELL LOG? NO WELL ID: USES OF WATER RIGHT \*\*\*\*\*\*\* EDU - 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.) SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtement to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2149 (WUC), 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) PERIOD OF USE: 01/01 TO 12/31 MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use; 4097,72669 The City owns one of the sites noted and wil acquire others as needed. 

this Right was begregate	ed fram , with	Apple: , App	roval Date:	1.1	under which	Proof is to	be submitt	ed.	
his Right as originally	Filed:								
	FLOW IN	QUANTITY IN				TER US			
	CES	ACRE FEET	IRRIGATED ACREAGE	STOCK (ELUs)	(FANILIES)	MUNICIPAL (*	MINING	POWER FEET	OTHER +
	10.0								
							********		
He Fullowing Water Righ	hts have been 4.34	Segregated fr	am 31-4569:						
<ol> <li>WRNUM: 31 5209 APPL4: A52671a</li> </ol>	4.34								
NAME: Woods Cros	ss City								
FILED: 01/20/2000									
APPR: 09/08/2000									
							C . 7 . 7	Contractor and and a second	a best best
-4550 morther in here.	CFS	ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUS)		MUNICIPAL	MINING	POWER - FEET-	OTHER
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#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-5209(A52671a)

WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page 1

WATER RIGHT: 31-5209 APPLICATION/ELAIM ND.: A526714 CERT. NO.:

NAME: Woods Cross City (Fublic Water Supplier) ADDR: 1555 South 800 West Woods Cross UT 84087 LAND OWNED BY APPLICANT? COUNTY TAX THE: 02/15/1979/PRIORITY: 02/15/1979/PUB BEGAN: IPUB ENDED: INEWSPAPER: FILED (SE ACTION: [Approved] (ActionDate:09/06/1979(PROOF DUE: 09/30/2023 ProtestEnd: (PROTESTED) (No. | | HEARNG HLD: EXTENSION: IELEC/PROOF1 ( I TELEC/PRODE: |CERT/WUC: LAP, ETC: ILAPS LETTER: 1150YR DATE: 09/06/2029 RUSH LETTR: |RENOVATE: 07/09/2008|RECON RED: TYPE: | PD BOOK: | 31-I IMAP: ILEUB DATE: Type of Right: Application to Appropriate Source of Info: Application to Segregate Status: Approved FLOW: 1.34 cfs OR 3142.07312 acre-feet SOURCE: Underground Water Well COMMON DESCRIPTION: In Woods Cross COUNTY: Davis POINTS OF DIVERSION UNDERGROUND: (1) N 620 IL E 630 IL from SW cor, Sec 25, T 2N, R 1W, SLBM WELL LOG? No WELL ID#: DIAMETER OF WELL: 12 LAS. DEPTH: 300 to 600 ft. YEAR DRILLED: (2) N 2750 IL E 1250 IL from SW cor, Sec 25, T 2N, R 1W, SLEM WELL ID#: DIAMETER OF WELL: 12 Ins. DEPTN: 360 to 600 ft. YEAR DRILLED: WELL LOGY NO [3] N 384 It W 886 It from SE cor, Sec 26, T 2N, R 1W, SLBM WELL TOF: 432065 DIAMETER OF WELL: 16 ins, DEPTH: 385 to ft. YEAR DRILLED: WELL LOG? No Old POD N320 W750 SE Sec 26 T2N-RIW SLBM Comment: (4) S 560 ft W 1060 ft from NE cor, Sec 35, T 2N, R 1W, SLRM WELL TOF: DIAMETER OF WELL: 12 ins. DEPTH: 300 to 600 ft. YEAR DRILLED: WELL LDG7 NO (5) S 1825 ft W 1060 ft from NE cor, Sec 35, T 2N, R 1W, SLEM WELL LOG? No WELL ID:: DIAMETER OF WELL: 12 Ins, DEPTH: 300 to 600 ft. YEAR DRIVED: (6) S 1200 ft E 1900 ft from NW cor, Sec 36, T 2N, R 1W, SLAM WELL LOGY No. WELL ID9: DIAMETER OF WELL: 12 Ins. DEPTH: 300 to 600 ft. YEAR DRILLED: POINT OF DIVERSION -- UNDERGROUND (ABANDONED) : (1) N 320 Ft W 750 ft From SE cor, Sec 26, T 2N, R 1W, SLBM DIAMETER OF WELL: 12 ins. DEPTH: 300 to 600 ft. YEAR DRILLED: WELL LOG? No WELL ID#: 432066 Did POD N 320 W 750 SE Sec 26, T2N-R1W SLEM Comment: USES OF WATER RIGHT\*\*\*\*\*\* ELU -- Equivalent Livestock Unit (cow, horse, etc.) \*\*\*\*\*\*\*\* EDU -- Equivalent Dowestic Unit or 1 Family (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) SUPPLEMENTAL GROUP NO. 30102. Water Rights Appurtement to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC), 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) MUNICIPAL: Woods Cross PERIOD OF USE: 01/01 TO 12/31 Acre Feel Contributed by this Right for this Use: 3142.07312

WRNUM 31 5209 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page 2

This Right was Segregated from	31-4569, wit	h Appl#:	A52671, Appro	oval Date: (	09/06/197	9 under whi	ch Proof is to )	be submitte	rd.
This Bight as originally filed:							00		
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1.34									
303-32-35-20-340-00-00-00-00-00-00-00-00-00-00-00-00-0	the same in terms in some some of the		and the second part of the second sec		inter the party initial states	THE OWNER OF STREET, ST.	and the second sec		COCCUSION IN
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APPLICATIONS FOR EXTENSIONS OF	TIME WITHIN	the factor of the	SUBMIT PROOF		******	******	*****	*******	*******
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F14ED: 07/22/1998/9UH BEGAN	): DB/11/1998 ): (No	PUB ENDE	iD: LD:	NEWSPAPER	: (Approv	ed) (ActionD	ate:11/17/1998)]	PROOF DUE:	09/31/2
FliED: 07/22/1995 PUH BEGAN ProtestEnd:09/07/1995 PROTESTEC	0: DB/11/1998 ): (No	PUB ENDE	iD: ILD:	)NEWSPAPER	: (Approv	ed)(ActionD	ate:11/17/1998))	PROOF DUE:	09/31/2
FILED: 07/22/1995 PUH BEGAN ProtestEnd:09/07/1995 PROTESTEC FILED: 08/29/2003 PUB BEGAN	0: DB/11/1998 ): [No   ): 09/23/2003	PUB ENDE	:D: ILD: :D: 09/30/2003	) NEWSPAPER. ISE ACTION: NEWSPAPER.	: (Approv : Davis C	ed) (ActionD	ate:11/17/1998)) er		08/31/2
FILED: 07/22/1995/PUH BEGAN ProtestEnd:09/07/1995/PROTESTEC FILED: 08/29/2003/PUB BEGAN	0: DB/11/1998 ): [No   ): 09/23/2003	PUB ENDE	:D: LLD: :D: 09/30/2003 LLD:	) NEWSPAPER (SE ACTION) (NEWSPAPER (SE ACTION)	: [Approv : Davis C : [Approv	County Clipp	ate:11/17/1998))	PROOF DUE:	09/31/2
FILED: 07/22/1998/PUH BEGAN ProtestEnd:09/07/1998/PROTESTEC FILED: 08/29/2003/PUB BEGAN ProtestEnd:10/20/2003/PROTESTEC	0: DB/11/199B 0: No   0: 09/23/2003 0: No	PUB ENDE	1D: LLD: LD: 09/30/2003 LLD:	) NEWSPAPER  SE ACTION 3) NEWSPAPER  SE ACTION	: (Approv : Davis C : [Approv	ed)(ActionD County Clipp red)(ActionD	ate:11/17/1998)) er ate:12/01/2003))	PROOF DUE:	09/31/2
FILED: 07/22/1998/PUH BEGAN ProtestEnd:09/07/1995/PROTESTEC FILED: 08/29/2003/PUB BEGAN ProtestEnd:10/20/2003/PROTESTEC FILED: 09/11/2008/PUB BEGAN	0: DB/11/199B 0: No   0: D9/23/2003 0: No   1: 09/23/2008	PUB ENDE	D: LD: D: 09/30/2003 LD: V: 09/30/2008	) NEWSPAPER  SE ACTION 3 (NEWSPAPER  SE ACTION 3 (NEWSPAPER	: [Approv : Davis C : [Approv : Davis C	ed)(ActionD County Clipp red)(ActionD	ate:11/17/1998)) er ate:12/01/2003)) er	ROOF DUE:	09/31/2 09/30/2 09/30/2
FILED: 07/22/1998/PUH BEGAN ProtestEnd:09/07/1995/PROTESTEC FILED: 08/29/2003/PUB BEGAN ProtestEnd:10/20/2003/PROTESTEC FILED: 09/11/2008/PUB BEGAN	0: DB/11/199B 0: INo   0: 09/23/2003 0: INo   1: 09/23/2008 0:	PUB ENDE (HEARNG F IPUB ENDE (HEARNG F (PUB ENDE (HEARNG F	D: LD: D: 09/30/2003 LD: D: 09/30/2008 LD:	) NEWSPAPER  SE ACTION  NEWSPAPER  SE ACTION  NEWSPAPER  SE ACTION	: [Approv : Davis C : [Approv : Davis C : [Approv	ed)(ActionD County Clipp red)(ActionD County Clipp red)(ActionD	ate:11/17/1998)) er ate:12/01/2003)) er ate:12/09/2008))	PROOF DUE:	09/30/2
FILED: 07/22/1998/PUH BEGAN ProtestEnd:09/07/1998/PROTESTER FILED: 08/29/2003/PUB BEGAN ProtestEnd:10/20/2003/PROTESTER FILED: 09/11/2008/PUE BEGAN ProtestEnd:10/20/2008/PROTESTER	0: DB/11/199B 0: [No ] 0: 09/23/2003 0: [No ] 1: 09/23/2008 0: ]	PUB ENDE (HEARNG F (HEARNG T ) PUB ENDE (HEARNG F	D: LLD: D: 09/30/2003 LLD: U: 09/30/2008 LLD:	) NEWSPAPER ISE ACTION SINEWSPAPER ISE ACTION SINEWSPAPER ISE ACTION	: [Approv : Davis C : [Approv : Davis C : [Approv	ed)(ActionD County Clipp red)(ActionD County Clipp red)(ActionD	ate:11/17/1998) er ate:12/01/2003)) er ate:12/09/2008))	PROOF DUE:	09/30/2

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2398(U8145,1139

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RON DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2398 APPLICATION/CLAIM NO.: USI45,11390 CERT. NO.:

CWNERSHIP	*****	*****
NAME: Woods Cross City (Public Water Supplier) ADDR: Woods Cross UT 84087		
DATES, ETC.************************************		******
LAND OWNED BY APPLICANT? COUNTY TAX ID# FILED: 03/18/1936/PRIORITY: 06/13/1934/PUB BEGAN: ProtestEnd: PROTESTED: [No   HEARNG HED: EXTENSION:   ELEC/PROOF:]   ELEC/PROOF: RUSH LETTR:   RENOVATE:   RECON REQ:		PROOF DUE: LAPS LETTER:
PD BOOK: ( 31-1 ) IMAF: [34cb ) IPUB DATE:		
Type of Right: Underground Water Claim Source of In	Fo: Proposed Determination Status:	
LANATION OF WATER RIGHT************************************	*****	************************
***************************************		
FLAW: 0.66B cfs		
SOURCE: Underground Water Well		
COUNTY: Davis COMMON DESCRIPTION:		
POINT OF DIVERSION - UNDERGROUND: (1) N 1325 fL E 820 fL from SW cor, Sec 30, T 2N, R 1E, DIAMETER OF WELL: 12 ins. DEPTN: 542 to ft. YEAR DRII		
	ty of Use that this Water Right contributes t	o the Group Total.)
SUPPLEMENTAL GROUP NO, 30402, Water Rights Appurtenant to 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (9 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP)	the following use(s): #UC),2091(WUC),2145(WUC),2147(WUC),2148(WUC),	
MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for thi		PERIOD OF USE: 01/01 TO 12/31
DTHER COMMENTS************************************		****
A review of the underground water claim filed in 1935 Cross claims a right to 300 gpm for municipal uses und Additionally, the Water User's Claim prepared in conju adjudication mentioned that this historic use establish of this right. An evaluation of this established and p would quantify the right at (300 / 468.8 * 724 ) = 184	shows the Town of Woods ler this water right. Anction with the shed the basis and limit perfected beneficial use 1 acre-feet.	
**************************************	D OF B N T A**********************************	************************************

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-3849(A37962)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page |

WATER RIGHT: 31-3849 APPLICATION/CLAIM NO.: AJ7962 UERT. NO.:

OWNERSHT P************************************
NAME: Woods Cross City (Public Water Supplier) ADDR: Woods Cross UT 84087
DATES, ETC. ************************************
LAND OWNED BY APPLICANT? COUNTY TAX IDE: FILED: 10/19/1966/PRIORITY: 10/19/1966/FUB HEGAN: 11/18/1966/FUB ENDED: INEWSPAPER: Davis County Clipper ProtestEnd: PROTESTED: No   HEARNC H.D.: ISE ACTION: [Approved] ActionDate102/23/196/IPROOF DDE: EXTENSION:  ELEC/PROOF:]   ELEC/PROOF: ICERT/WUC: 07/15/1971/LAP, ETC:  LAPS LETTER: RUSH LETTR:  RENOVATE:  RECON REQ:  TYPE:]
PD BOOK:   31    MAP:     PUB DATE: Type of Right: Application to Appropriate Source of Info: Water User's Claim Status: Water User's Claim
LOCATION OF WATER RIGHT
COUNTY: Davis COMMON DESCRIPTION: POINT OF DIVERSION UNDERGROUND: (1) N 1325 ft E 820 ft from SW cor, Sec 30, T 2N, R 1E, SLBM DIAMETER OF WELL: 12 ins. DEPTH: 542 to 11. YEAR DRILLED: WELL LOG? No WELL ID\$: 3333
USES OF WATER RIGHT******* ELW — Equivalent Livestock Unit (cow, horse, etc.) ******** EDU — Equivalent Domestic Unit of   Famil (The Reneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)
SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtement to the following use(s): 31-2059(WUC),2068(WUC),2069(WUC),2070(WUC),2071(WUC),2084(WUC),2091(WUC),2145(WUC),2147(WUC),2148(WUC),2149(WUC),2150(WUC) 2398(UCWC),3849(WUC),3971(WUC),1569(APP),4600(WD),5209(APP)
MUNICIPAL: Woods Cross PERIOD OF USE: 01/01 TO 12/3 Acre Feet Contributed by this Right for this User 180.995
OTHER COMMENTS
Same well as Water User's Claim 31-2398. ENDOF DATA***********************************

#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2084(A24942)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2084 APPLICATION/CLAIM NO. 1 AZ4942 CERT. NO. 1 5458

CHANGES: a5052 Water User's Claim OWNERSHIP ...... NAME: Woods Cross City (Public Water Supplier) ADDR: Woods Cross UT 84087 BATES, ETC. LAND OWNED BY APPLICANT? COUNTY TAX ID#: 06/02/1953 PRIORITY: 12/17/1953 PUB BEGAN: 08/28/1953 PUB ENDED: FILED: INEWSPAPER: Davis County Clipper ProtestEnd: | PROTESTED: [No ||HEARNG HLD: ISE ACTION: [Approved] [ActionDate:11/10/1954 [PROOF DUE: ELEC/PROOF: [Election] [ELEC/PROOF: 07/04/1969[CERT/WUC: 07/12/1971]]AP, ETC: EXTENSION: ILARS LETTERS RENOVATE : RUSH LETTR: RECON REQ: ITYPE: ( 1 | | FUB DATE: PD HOOK: | 31- ||MAP: | Type of Right: Application to Appropriate Source of Info: Water User's Claim Status: Water User's Claim FLOW: 0.303 NES SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: POINT OF DIVERSION - DMDERGROUND. (1) N 1325 It E 820 It from SW cor, Sec 30, T 2N, R 1E, SLBM WELL LOG? NO WELL ID#: 3333 DIAMETER OF WELL: 12 Ins, DEPTH: 542 to It. YEAR DRILLED: -------and the state of t 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 Tolal.) In all the particular participation of the particip SUPPLEMENTAL GROUP ND. 30402. Water Rights Appurtenant to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) \*\*\*\*\*\*\*\*\*\*\*\*\* MUNICIPAL: Woods Cross PERIOD OF USE: 01/01 TO 12/31 Acre Feet Contributed by this Right for this Use: 30.55 -------A review of the water right certificate issued in 1958 demonstrates the Town of Woods Cross had appropriated and perfected this right for 27 families and 4.6 acres of irrigation under this water right. Additionally, the Water User's Claim prepared in conjunction with the adjudication mentioned that these historic uses established the limit of this right. An evaluation of this established and perfected beneficial use would quantify the right at (27 \* 0.45) | (4.6 = 4) - 30.55 acre-feet. TARGENERAL OF DATA 

#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2059(U9305)

(MARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page |

WATER RIGHT: 31-2059 APPLICATION/CLAIM NO.1 09305 CERT. NO.1

CHANGES: a33833 Withdrawn, a39404 Approved

CWNERSHIP .....

NAME: Woods Cross City ADDR: 1555 South 800 West Woods Cross, UT 84087 REMARKS: 59,043 acres, 141 elu's supp/w other rights

CASE IN A STATE OF THE REAL PROPERTY OF THE REAL PR

LAND OWNED BY APPLICANT? COUNTY TAX ID#: 03/21/1936 PRIORITY: / /1928 PUB BEGAN: FILED: PUR ENDED: INEWSPAPER: (PROTESTED: No ProtestEnd: | HEARNG HLD: ISE ACTION: | ||ActionDate: PROOF DUE! IELEC/PROOF: EXTENSION: T ELEC/PROOF: ICERT/WUC: 05/09/19651LAP, STC: LAPS LETTERS RECON REG: RUSH LETTR: RENOVATET TYPE: | ) PD BOOK: | 31-3 | MAP: |33cd | | PUE DATE : Type of Right: Underground Water Claim Source of Info: Proposed Determination Status: Water User's Claim FLOW: 0.4604 CEs SOURCE: Underground Water Drain (well) COMMON DESCRIPTION: Woods Cross Area COUNTY: Davis POINT OF DIVERSION - UNDERGROUND: (1) N 1040 ft W 420 ft from E4 cor, Sec 34, T 2N, R 1W, SL5M DIAMETER OF WELL: Lns. DEPTH: to IL. YEAR DRILLED: WELL LOG? No WELL ID !: Conment : as per PD book POINT OF DRAIN: (1) N 1040 ft W 420 ft from E4 cor, Sec 34, T 2N, R 1W, SLEM Comment: as per Underground Water Claim POINT OF DIVERSION -- UNDERGROUND (ABANDONED): (1) N 1040 ft W 420 ft from E4 cor, Sec 34, T 2N, R 1W, SLAM DIAMETER OF WELL: ins. DEPTH: to ft. YEAR DRILLED: WELL LOG? No WELL IDF: 35120 USES OF WATER RIGHT\*\*\*\*\*\*\* ELD -- Equivalent Livestock Unit (cow, horse, utc.) \*\*\*\*\*\*\*\* EDU -- Equivalent Domestic Unit of 1 Family (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtenant to the following use(s):

31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC)

This group represents the supplemental portion owned by Valentine-Merrel, LC

STOCKWATER:													1121				
	* W	I NE I	SW I	SE *	NW I NE	1 50	I SE *	NW I	NE L	SW 1 3	E 4	NW L	ME	SW	SE	*	

WRNUM 31-2059 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page 2 \*\*\*\*\*\* SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtenant to the following use(s): 31-2059 (WUC) 2068 (WUC) 2069 (WUC) 2070 (WUC) 2071 (WUC) 2084 (WUC) 2091 (WUC) 2149 (WUC) 2147 (WUC) 2148 (WUC) 2149 (WUC) 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4369 (APP), 4600 (WD), 5209 (APP) Even though the change to municipal use under 31-2059 has not been certificated, it is included in this group for administrative and distribution purposes. MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 54.68 the second se NORTH-WEST + NORTH-EAST= SOUTH-WEST= SOUTH-EAST\* NW NE SW SE NW NE SW SE NW NE SW SE NW NE SW SE \* : X: : \* \* : : : \* \* : %: : \* Sec 34 T 2N R IW SLBM \* X: X: X: X\* \*\*\*\*\*\*\*\*\* This Right as originally filed: FLOW IN OUANTITY IN + WATER USES-CFS ACRE-FEET IRRIGATED STOCK DOMESTIC MUNICIPAL MINING POWER OTHER ACREAGE (ELUS) (FAMILIES) (\*--ACRE-FEET----0.496 17.4460 -----The following Water Rights have been Segregated from 31-2059; 1) WRNUM: 31-5243 0.03558 3,7760 ř. APPL4: U9305 NAME: Utah Department of Transportation FILED: 10/12/2007 STATUS: WUC APPR: -----CES ACRE-FEET IRRIGATED STOCK DOMESTIC MUNICIPAL MINING POWER OTHER ACREAGE (ELUs) (FAMILIES) (\*----ACRE-FRET----31-2059 currently has: 0.46042 13.6700 ERROR MUNICIPAL in RIGHT but NOT SEGMASTER EXT NUMBER: REQUST TO: (LAST USED: 13/ / QIPRIOR FROM: PRIOR TO: 12/10/2007/PCB BEGAN: 01/01/2008/POB ENDED: 01/08/2008/NEWSPAPER: Davis County Clipper (PROTEST END:01/28/2008 FILED: ISE ACTION: [Appraved] [ActionDate:02/13/2008[PRCOF DUE: 02/28/2013]PRCOF SUB: HEARNG HLD: PROTESTED: INC. ..... \*\*\*\*\*\*\*\*\*\*\* \*

#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2068(U9312)

[WARNING: Water Rights makes NO claims as to the accuracy of this data.) AUS DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2068 APPLICATION/CLAIM NO.: 09312 CERT, NO.:

CHANGES: a33833 Withdrawn, a39404 Approved

NAME: Woods Cross City ADDR: 1555 South 800 West Woods Cross, UT 84087 REMARKS: 59.043 ac, 141 elu's supp/w other rights DATES, ETC. the late is the state of the st the statements with the statement of an inchester in the second distance in the LAND OWNED BY APPLICANT? COUNTY TAX ID4: 03/21/1936(PRIORITY: / /1896)FUB BEGAN: PUB ENDED: INEWSPAPER: FILED: | | HEARNG HLD: PROTESTED: INC. ProtestEnd: SE ACTION: | | ActionDate: PROOF DUE: EXTENSION: (ELEC/PROOF: [ | |ELEC/PROOF: EERT/WUC: 05/09/1965/LAP, ETC: LAPS LETTER: RENOVATE: IRECON REO: RUSH LETTR: TYPE: | 11 FD BOOK: | 31-3 ||MAP: [33cd | | PUB DATE: Source of Info: Proposed Determination Stalus: Water User's Claim Type of Right: Underground Water Claim LOCATION OF WATER RIGHT ..... FLOW: 0.1572 ofa SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: Woods Cross Area POINT OF DIVERSION - UNDERGROUND: (1) N 1210 ft W 380 ft from E4 cor, Sec 34, T 2N, R 1W, SIBM DIAMETER OF WELL: INS. DEPTH: Lo FL. YEAR DRILLED: WELL LOGY NO WELL IN#: historic well has been abandoned Comment: POINT OF DIVERSION - UNDERGROUND (AHANDONED) : (1) N 1210 It W 380 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM ft. YEAR DHILLED: 1896 WELL LOG? No WELL ID#: 35118 DIAMETER OF WELL: 2 ins. DEPTH: to USES OF WATER RIGHT\*\*\*\*\*\*\* ELU - Equivalent Livestock Unit Icow, 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.) SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtenant to the following use(s): 31-2059 (NUC), 2068 (NUC), 2069 (NUC), 2070 (NUC), 2071 (NUC), 2145 (NUC), 2147 (NUC), 2148 (NUC), 2149 (NUC), 2150 (NUC) PERIOD OF USE: 04/01 TO 10/31 IRRIGATION: Beneficial Use Amt: 3.694 acres of the Group Total of 59.043 STOCKWATER: Beneficial Use Amt: 13,0000 ELUs of the Group Total of 141. PERIOD OF USE: 01/01 TO 12/31 ..... \* - - - -Section. Totals Sec 34 T 2N R W SLEM \*\_\_\_\_ 2,19001 \* 3.3200 2.5000 22.5300 22.5700\* 22.25001 14 75,3600 GROUP ADREAGE TOTAL: 75,3600 SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtenant to the following use(s): 11-2019(WUC), 2068(WUC), 2069(WUC), 2070(WUC), 2071(WUC), 2084(WUC), 2091(WUC), 2145(WUC), 2148(WUC), 2148(WUC), 2149(WUC), 2150(WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) Even though the change to Municipal use under 31 2068 has not been certificated, it is included in this group for administrative and distribution purposes. 

WRNUM 31-2068 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this da

MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 15.14

Sec 34 T 2N R 1W	SLBM	NORTH-WEST NW NE SW SE : X: : *	NORTH-EAST NW NE SW SE * X: X: X: X*	SOUTH- NW NE * 3 X:	SW SE	SOUTH-EAST= NW NE SW SE * : : : :				
SEGREGATION HISTOR	Y * * * * * * * * * * * * *	*******	*****	******	*******	***********	*********			
This Right as orig										
	FLOW IN CFS	QUANTITY ACRE-FE		STOCK (ELUS)	DOMESTIC		E S MINING -ACRE	POWER FEET-	OTHER	
	D.167		4.7150	17,0000						
The following Wate ( 1) WRNUM: 31-5: APPL#: U931	244 0.009		d from 31-2068: 1,0210	4.0000						
( 1) WRNOM: 31-5: APPL#: 0931: NAME: Utah FILED: 10/1: APPR:	244 0.009 2 Department c 2/2007 STATUS	977 of Transportation	1,0210	4.0000						
<ol> <li>WRNUM: 31-5.</li> <li>APPL#: U931.</li> <li>NAME: U1ah</li> <li>FILED: 10/11</li> </ol>	244 0.009 2 Department c 2/2007 STATUS	977 of Transportation	1,0210 n ET IRRIGATED	STOCK	DOMESTIC	MUNICIPAL	MINING	POWER	ÓTHER	
( 1) WRNOM: 31-5. APPL#: 09313 NAME: Utah FILED: 10/13 APPR: 31-2068 currently J	244 0.009 2 Department o 2/2007 STATUS CFS has: 0.157	077 of Transportation : WUC- MCRE-FEI	1,0210 n ET IRRIGATED ACREACE 3,6940		DOMESTIC (FAMILIES)	MUNICIPAL (* ERROR			ÓTHER	
( 1) WRNOM: 31-5. APPL#: 09313 NAME: Utah FILED: 10/13 APPR: 91-2068 currently J	244 0.009 2 Department c 2/2007 STATUS CFS has: 0.157 AL in RIGHT	977 F Transportation WUC- ACRE-FE 23 but NOT SEGMAST	1,0210 n ET IRRIGATED ACREACE 3,6940	STOCK (ELUA)	DOMESTIC (FAMILIES)	(*			ÖTHER	-*

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2069(U9310)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page |

WATER RIGHT: 31-2069 APPLICATION/CLAIM NO.: 09310 CERT. NO.:

CHANGES: a33833 Withdrawn, a39404 Approved NAME: Woods Cross City ADDR: 1555 South 800 West Woods Cross, UT 84087 REMARKS: 59.043 ac, 141 elu's supp/w other rights LAND OWNED BY APPLICANT? COUNTY TAX IDE: / /1896 PUB BEGAN: FILED: 03/21/19361PRIORITY: PUB ENDED: NEWSPAPER ISE ACTION: | | ActionDate: PROTESTED: INC HEARNG HLD: PROOF BUE: ProtestEnds CERT/WUC: 05/09/1965 LAP. ETC: EXTENSION: ISEEC/FROOF: | I LELEC/PROOF: ILAPS LETTER: IRECON REO: RUSH LETTR: IRENOVATE: TYPE: 1 -3 PD BOOK: [ 31-3 | |MAP: 133cd ) (POB DATE: Source of Info: Proposed Determination Status: Water User's Claim Type of Right: Underground Water Claim FLOW: 0.3524 pfs SOURCE: Underground Water Weli COUNTY: Davis COMMON DESCRIPTION: Woods Cross Area FOINT OF DIVERSION - UNDERGROUND: (1) N 190 ft W 380 ft from E4 cor. Sec 34. T 2N. R 1W. SLEM DIAMETER OF WELL: ins. DEPTH: Lo IL. YEAR DRILLED: WELL LOG? No WELL TRAM IL. YEAR DRILLED: Comment: historic well has been abandoned POINT OF DIVERSION - UNDERGROUND (ABANDONED) ; (1) N 1190 EL W 380 EL Irom E4 con, Sec 34, T 2N, R 1W, SLBM WELL LOG? No WELL ID#: 35119 DIAMETER OF WELL: 3 Ins. DEFTH: to IL, YEAR DETLIED: 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.) SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtement to the following use(s): 31 2059 (MUC), 2068 (MUC), 2069 (MUC), 2070 (MUC), 2071 (MUC), 2145 (MUC), 2147 (MUC), 2148 (MUC), 2149 (MUC), 2150 (MUC) IRRIGATION: Beneficial Use Amt: 8.159 acres of the Group Total of 59,043 PERIOD OF USE: 04/01 TD 10/31 ........................... STOCKWATER: Beneficial Use Amt: 32,0000 EIUs of the Group Total of 141, PERTOD OF USE: 01/01 TO 12/31 ............................... Section WWPLACE OF USE: Totals Sec 34 T 2N R 1N SLEM \* 2.1900 \* 3.3200 2.5000 22.5300 22.5700\* 22.2500 75.3600 GROUP ACREAGE TOTAL : 75.3600 SUPPLEMENTAL GROUP NO. 304D2. Water Rights Appurtenant to the following use(s): 31-2059(WUC), 2068(WUC), 2069(WUC), 2070(WUC), 2071(WUC), 2084(WUC), 2091(WUC), 2145(WUC), 2147(WUC), 2148(WUC), 2149(WUC), 2150(WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) Even though the change to municipal use under 31-2069 has not been certificated. It is included in this group for administrative and distribution purposes.  WRNUM 31-2069 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this da

MUNICIPAL: Woods Cross

Acre Feet Contributed by this Right for this Use: 33.532

Sec 34 7 2N R IW SLBM	NDRTH- NW NE * : X;	SW SE N	NORTH-EAST= W NE SW SE X: X: X: X*	SOUTH-W NW NE S • i Xi	i₩ 5E 1	SOUTH-RAST= NW NE SW SE * I I I			
SEGREGATION HISTORY*****	*******	*****					• • • • • • • • • • • • • • • • • • • •	•••••	
This Right as originally F	Eiled: LOW IN	QUANTITY IN		Land Exception now it	W A	TER US	ri si		
	CES	ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUs)	DOMESTIC (FAMILIES)	MUNICIPAL (*	MENING	FOWER.	OTHER
	0.374		10,4140	41.0000					
APPR :									
31-2069 currently has: MUNICIPAL in )	OFS 0.3524 RIGHT but NO	ACRE-FEET	IRRIGATED ACREAGE 8.1590	STOCK (ELUs) 32.0000		MUNICIPAL (*	MINING	POWER	OTHER
APPLICATIONS FOR NONUSE OF		******	******		********	********	******	******	
	DST TO:	1.000	SED: 13/ /	The second second second		(FRIOR TO; County Clipper		IPROTEST E	

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2070(U19665)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page

WATER RIGHT: 31-2070 APPLICATION/CLAIM NO.: 019665 CERT. NO.:

CHANGES : a33833 Withdrawn, a19404 Approved

the state of the s MAME: Woods Eross City ADDR: 1555 South BOO West Woods Cross, UT 84087 REMARKS: 59.043 ac, 141 elu's supp/w othes rights where the particular and the same that the LAND OWNED BY APPLICANT? COUNTY TAX ID :: 03/26/1940(PRIORITY: / /1900)PUB BEGAN: PUB ENDED: NEWSPAPER: ETLED: PROTESTED: INO SE ACTION: 1 HEARNG HLD: ActionDate: PROOF DUE! ProtestEnd: ELEC/PROOF: ] ICERT/WUC: 05/09/1965/LAP, ETC: LAPS LETTER: EXTENSION: | (ELEC/PROOF: IRENOVATE: RECON REQ: TYPE: [ 1 BUSH LETTR: PD BOOR: [ 31-3 ] (MAP: (33ca ) | PUB DATE: Source of Info: Proposed Determination Type of Right: Underground Water Claim Status: Water User's Claim LOCATION OF WATER RIGHT ...... FLOW: 0.103 cfs SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: Woods Cross Area POINT OF DIVERSION - UNDERGROUND: (1) N 980 IL W 170 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM DIAMETER OF WELL: Ins. DEPTH: to ft. YEAR DRILLED: WELL LOG? No WELL 1D#: historic well has been abandoned Comment! POINT OF DIVERSION - UNDERGROUND (ARANDONED) : (1) N 980 ft W 170 ft from E4 cor, Sec 34, T 2N, R 1W, SLEM FL. YEAR DRILLED: 1900 WELL LOG? NO WELL INF: 35121 DIAMETER OF WELL: 2 ins. DEPTH: to USES OF WATER RIGHT\*\*\*\*\*\*\* ELU - Equivalent Livestock Unlt (cow, horse, etc.) \*\*\*\*\*\*\*\* EDU - Equivalent Domestic Unit or | Family (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtemant to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) PERIOD OF USE: 04/01 TO 10/31 IRRIGATION: Beneficial Use Amt: 3.06 acres of the Group Total of 59.043 ...... STOCKWATER: Beneficial Use Amt: 0.0 ELUs of the Group Total of 101. PERIOD OF USE: 01/01 TO 12/31 \* MORTH WEST QUARTER \* NORTH EAST QUARTER \* Section HURPEATE OF USE: \* NW | NE | SW | SE \* NW | NE | SW | SE \* NW | NE | S M \*\_\_\_\_\_ 2,19001\_\_\_\_\_\_\_\* 3,32001\_2,5000122,5300122,5700\*\_\_\_\_22,25001\_\_\_\_\_ I SW I SE \* NW | NE | SW | SE \* Totals Sec 34 T 2N R 1W SLBM \* 75.3600 GROUP ACREAGE TOTAL: 75.3600 SUPPLEMENTAL GROUP NO. 30392. Water Rights Apportenant to the following use(s): 31-2070 (WUC), 2071 (WUC) ....... DOMESTIC: Beneficial Use Amt: 1.0000 RDU of the Group Total of 1.00 FERIOD OF USE: 01/01 TO 12731 SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtement to the following use(s): 31-2059(NUC),2068(NUC),2069(NUC),2070(NUC),2071(NUC),2084(NUC),2091(NUC),2145(NUC),2147(NUC),2148(NUC),2149(NUC),2150(NUC) 2398(NCNC),3849(NUC),3971(NUC),4569(APP),4600(NU),5209(APP)

Even though the change to municipal use under 31-2070 has not been certificated, it is included in this group for administrative and distribution purposes.

MUNICIPAL: Woods Cross

Acre Feet Contributed by this Right For this Use: 12.69

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ec 31 T 2N R IW SLBM	NW NE	SW SE N	ORTH-EAST= W NE SW SE X: X: X: X*	NW NE	-WEST= SW SE : : *	SOUTH-EAST= NW NE SW SE * : : :			
EUREGATION HISTORY*****	*****	*******	*********	*******	*****	*****	*******	*******	*******
his Right as originally Fi	filed: LOW IN CFS	QUANTITY IN ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUs)		TER US MUNICIPAL (*-	MINING	POWER	OTHER
	0.111		3,9060		1.0000				
FILED; L0/12/2007 : APPR:								****	
1-2070 currently has: MUNICIPAN in F	CFS 0-10303 RTGHT but No	ACRE-FEET DT SEGMASTER	IRRIGATED ACREAGE 3,0500	STOCK (ELUS)	DOMESTIC (FAMILIES) 1,0000		MINING ACRE	POWER FEET-	OTHER
PPLICATIONS FOR NONUSE DE	F WATER****		****	******		**********	****		*******
	IST TO:	LAST U	SED: 13/ /			PRIOR TO: ounty Clipper		IPROTEST E	

### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2071(U9308)

(WARNING: Water Rights makes NO claims as to the accusacy of this data.) RUN DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2071 APPLICATION/CLAIM NUL1 U9308 CERT. NO.:

CHANGES: a33833 Withdrawn, a39404 Approved

NAME: Woods Cross City ADDR: 1555 South 800 West Woods Cross, UT 84067 REMARKS: 59.043 ac, 141 elu's supp/w other rights AND COMPANY AND A DESCRIPTION OF A DESCR DATES. ETC. A data service a LAND OWNED BY APPLICANT? COUNTY TAX ID#: 03/21/1936|PRIORITY: / /1896|PUB BEGAN: PUE ENDED: INEWSPAPER: FILED: SE ACTION: | | | HEARNG HED: ProtestEnd: |PROTESTED: [No | ActionDate: FROOF DOE! IELEC/PROOF: [ EXTENSION: | |ELEC/PROOF: (CERT/WUC: 05/09/1965 LAP, ETC: LAPS LETTER: TYPE: | RENOVATE: (RECON REO: RUSH LETTR: 1 PD BOOK: ( 31-3 ) MAP: [33cd | PUB DATE: Source of Infor Proposed Determination Status: Water User's Claim. Type of Right: Underground Water Claim LOCATION OF WATER RIGHT the set of the set of the set of the set of FLOW: 0.1801 DEs SOURCE: Underground Water Well COMMON DESCRIPTION: Woods Cross Area COUNTY: Davis POINT OF DIVERSION - UNDERGROUND: (1) N 950 It W 170 it from E4 cor, Sec 34, T 2N, R 1W, 5LBM ins. DEPTH: WELL LOG? No WELL ID#+ DIAMETER OF WELL: te ft, YEAR DRILLED: historic well could not be found to be abandoned Comment: POINT OF DIVERSION - UNDERGROUND (ABANDONED) : (1) N 950 ft W 170 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM Ft. YEAR DRILLED: 1896 WELL LOG? No WELL ID:: 35122 DIAMETER OF WELL: 2 Ins. DEPTH: to USES OF WATER RIGHT\*\*\*\*\*\*\* FLU - Equivalent Liventock Unit (now, home, 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.) and the subscription of the subscription of the SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtenant to the following use(s): 31-2059 (WUC), 2064 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) TRREGATION: Beneficial Use Amt: 3.694 acres of the Group Total of 59,043 PERIOD OF USE: 04/01 TO 10/31 STOCKWATER: Beneficial Use AmL: 23,0000 ELUs of the Group Total of 141. PERIOD OF USE: 01/01 TO 12/31 Section 朝朝PLACE (F USE) Sec. 34 T 2N R . IN SLEM \*\_\_\_\_ 2,19001 \* 3.3200 2.5000 22.5300 22.5700\* 22,2500 \* 75.3600 GROUP ACREAGE TOTAL: 75 3600 SUPPLEMENTAL GROUP NG. 30392. Water Rights Apputtenant to the following use(s): 31-2070 (WUC) 20 /1 (WUC) DOMESTIC: Beneficial Use Amt: 0.0 EDUs of the Group Total of 1.00 PERIOD OF USE: 01/01 TO 12/31

SUPPLEMENTAL GROUP ND. 30402. Water Rights Appurtement to the following use(a): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) 2398 (OGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) Even though the change to municipal use under 31-2071 has not been certificated, it is included in this group for administrative and distribution purposes. MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 15.42 NORTH-WEST-NORTH-EAST= SOUTH WEST-SCHITH-EAST= NW NE SW SE NW NE SW SE NW NE SW SE NW NE SW SE Sec 34 T 2N R IW SLRM \* 1 1 1 \* : 8: : \* \* X: X: X: X\* \* 1 X1 1 \* I WARD PROPERTY PROPERTY PROPERTY PROPERTY AND ADDRESS OF A DOT TO THE PROPERTY OF This Right as originally filed: FLOW IN QUANTITY IN --WATER USES-L'FS ACRE-FEET IRRIGATED STOCK DOMESTIC MUNICIPAL MINING POWER OTHER ACREAGE (ELUs1 (FAMILIES) (\*---ACRE-FEET--0.19 4.7150 29.0000 The Following Water Rights have been Segregated from 31-2071: 1) WRNUM: 31-5247 0.00985 1,0210 6.0000 1 APPLI: U9308 NAME: Utah Department of Transportation FILED: 10/42/2007 STATUS: WUC APPR: CFS ACRE FEET IRRIGATED STOCK DOMESTIC MUNICIPAL MINING POWER OTRER ACREAGE (ELUS) (FAMILIES) (\*--ACRE-FEET-31 2071 currently has: 0.18015 3.6940 23,0000 ERROR MUNICIPAL in RIGHT but NOT SEGMASTER APPLICATIONS FOR NONUSE OF WATER\* REOUST TO: LAST USED: 13/ / 01PRIOR FROM: (PRIOR TO: EXT NUMBER: 12/10/2007/POB BEGAN: 01/01/2008/PUB ENDED; 01/08/2008/NEWSPAPER: Davis County Clipper FTLEDS [PROTEST END:01/28/2008 HEARNG HED: PROTESTED: |No ISE ACTION: [Approved] ActionDate:02/13/2008 PROOF DUE: 02/28/2013 PROOF SUB:

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#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2145(U14476)

WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2145 APPEICATION/CLAIM NO.: UI4475 CERT. NO.:

UHANGES: a33833 Withdrawn, a39404 Approved

NAME: Woods Cross City ADDR: 1555 South 800 West Woods Cross, UT 84087 REMARKS: 59.043 ac, 14) elu's supp/w other rights

LAND OWNED BY APPLICANT? COUNTY TAX IDE: FILED: 03/23/1936(PRIORITY: / /1886)PUB BEGAN: PUB ENDED: INEWSPAPER: SE ACTION: | (ActionDate: | HEARNG HLD: PROTESTED: [No ProbestEnds IDDOOR DUR-EXTENSION: ELEC/PROOF: | |ELEC/PROOF: |CERT/WUC: 05/09/1965|LAP, ETC: LAPS LETTER: RUSH LETTR: TRENOVATE: RECON REO: ITYPE: 1 1 PD BOOK: | 33 3 | (MAP: [33cd | PUB DATE: Source of Infor Proposed Determination Type of Right: Underground Water Claim Stabus: Water User's Claim

THE REPORT OF THE REPORT OF THE PARTY OF THE

FLOW: 0.2857 cfs

SOURCE: Underground Water Well

COMMON DESCRIPTION: Woods Cross Area COUNTY: Davis

POINT OF DIVERSION - UNDERGROUND: (1) N 500 Et W 55 Et From E4 cor, Sec 34, T 2N, R 1W, SLBM DTAMETER OF WELL: INS. DEPTH: to Et. YEAR DRILLED: INS. DEETH: WELL LOG7 No. WOLL ID1: historic well could not be found & abandoned Comment:

FOINT OF HIVERSION - UNDERGROUND (ABANDONED) : (1) N 500 ft W 55 ft from R4 cor, Sec 34, T 2N, R 1W, SLBM DIAMETER OF WELL: 3 ins. DEPTH: 500 to Ft. YEAR DRILLED: 1886 WELL LOG? No. WELL ID#: 35127

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

SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtenant to the following use(s): 31-2059 (WUC), 2068 (WUC), 2063 (WUC), 2070 (WUC), 2071 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) IRRIGATION: Beneficial Use Amt: 8.159 acres of the Group Total of 59.043 PERIOD OF USE: 04/01 TO 10/31 STOCKWATER: Beneficial Use Amt: 5.0000 ELUS of the Group Total of 141. PERIOD OF USE: 01/01 TO 12/31 \* NORTH WEST QUARTER \* NORTH FAST QUARTER \* SOUTH WEST QUARTER \* SOUTH FAST QUARTER \* WHILE OF USE: Section \* NW I NE I SW I SE \* NU I NE I SW I SE \* NU I NE | SW | SE \* NW | NE | SW | SE \* Totals. k. Sec 34 T 2N R 1W SLBM \*\_\_\_\_ 2.1900 \* 3.3200 2.5000 22.5300 22.5700\*\_\_\_\_ 22.25001 75.3600 GROUP ACREAGE TOTAL -75.3600

SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtement to the following use(s): 31-2059 (NUC), 2068 (NUC), 2069 (NUC), 2070 (NUC), 2071 (NUC), 2084 (NUC), 2091 (NUC), 2145 (NUC), 2147 (NUC), 2148 (NUC), 2149 (NUC), 2150 (NUC) 2398 (UCKC), 3849 (NUC), 3971 (WUC), 4569 (APP), 4600 (ND), 5209 (APP)

Even though the change to municipal use under 11-2145 has not been certificated, it is included in this group for administrative and distribution purposes.  WRNUM 31-2145 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this da

MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 32.776

			ORTH-EAST=	SOUTH-WEST- NW NE SW SE		SOUTH-EAST			
Sec 34 T 2N R 1W SLBM			W NE SW SE X: X: X: X*			NW NE SW SE			
SEGREGATION HISTORY****	•••••				• • • • • • • • • • • • •			*******	******
This Right as originali									
	FLOW IN	QUANTITY IN		2000 C. C.		TER US		a strange	
	CFS	ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUS)	1. 40 - 1. 40 - 1. 4. 4. C. 4.	MUNICIPAL (*	MINING ACRE-	POWER FEET	OTHER
	0.307		10,4140	6.0000					
**********									
		Weinstein and said the							
The following Water Rig ( 1) WRNUM: 31-5248 APPL8: U14476 NAME: Utah Depa FTLED: 10/12/200 APPR:	0.02129 ctment of Tra		2,2550	1,0000					
<ul> <li>1) WRNUM: 31-5248</li> <li>APPL8: U14476</li> <li>NAME: Utah Depa FILED: 10/12/200</li> </ul>	0.02129 stment of Tra 7 STATUS:	insportation	2.2550		DOMESTIC:	Annierpat	MINING	DOWER	OTHER
APPLE: U14476 NAME: Utah Depa FILED: 10/12/200	0.02129 ctment of Tra			1,R000 STOCK (ELUS)	DOMESTIC (FAMILIES)	MUNICIPAL (*	MINING	POWER FEET-	OTHER
<ul> <li>1) WRNUM: 31-5248 APPL8: U14476 NAME: Otah Depa FTLED: 10/12/20D APPR:</li> <li>31-2145 currently has:</li> </ul>	0.02129 rtment of Tra 7 STATUS: CFS 0.28571	insportation	2.2550 IBRIGATED	STOCK					OTHER
<ul> <li>1) WRNUM: 31-5248 APPL8: U14476 NAME: Otah Depa FTLED: 10/12/20D APPR:</li> <li>31-2145 currently has:</li> </ul>	0.02129 ctment of Tex 7 STATUS: CFS 0.28571 n RIGHT but M	ACRE PEET	2.2550 IBRIGATED ACREAGE F.1590	STOCK (ELUS) 5.0000	(FAMILIES)	(*ERROR			OTHER
<ul> <li>1) WRNUM: 31-5248 APPL#: U14476 NAME: Utah Depa FTLED: 10/12/20D APPR:</li> <li>3)-2145 currently has: MUNICIPAL i</li> <li>APPLICATIONS FOR NONUSE</li> </ul>	0.02129 ctment of Tex 7 STATUS: CFS 0.28571 n RIGHT but M	ACRE FEET	2.2550 IBRIGATED ACREAGE #.1590	STOCK (ELUS) 5.0000	(FAMTLIES)	(*ERROR	-ACRE-	FEET	******
<ul> <li>1) WRNUM: 31-5248         APPL8: U14476         NAME: Utah Depa         FILED: 10/12/20D         APPR:         </li> <li>3)-2145 currently has:         MUNICIPAL i         APPLICATIONS FOR NONUSE         EXT NUMBER: IR         FILED: 12/10/2007/P </li> </ul>	0.02129 rtment of Tra 7 STATUS: CFS 0.28571 n RIGHT but P OF WATER****	ACRE PEET ACRE PEET NOT SEGMASTER ILAST U 01/2008 (PUB EN	2.2550 IBRIGATED ACREAGE 9.1590	STOCK (ELUs) 5.0000	(FAMILIES)	(*ERROR **********************************	-ACRE-	FEET PROTEST	****************

#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2147(U9306)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUM DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2147 APPLICATION/CLAIM NO.: 19306 CERT. NO. 1 CHANGES: a33833 Withdrawn, a39404 Approved NAME: Woods Cross CLLy ADDR: 1555 South 800 West Woods Cross, UT 84087 REMARKS: 59.043 ac, 141 elu's supp/w other rights DATES, ETC. LAND OWNED BY APPLICANT? COUNTY TAX ID !! 03/21/1936/PRIORITY: / /1896/PUB BEGAN: IPUE ENDED: FILED: INEWSPAPER: | |HEARNG HLD: ProtestEnd: PROTESTED: No ISE ACTION: | | | ActionDate: PROOF BUE! EXTENSION: ELEC/PROOF1 | | ELEC / PROOF: ICERT/WUC: 05/09/196511.AP, ETC: ILAPS LETTER: IRECON REO: RUSH BETTRE RENOVATE : TYPE: PD BOOK: | 31-3 | |MAP: (33cd I IPUB DATE: Status: Water User's Claim Type of Right: Underground Water Claim Source of Info: Proposed Determination FLOW: 0.3524 cfs SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: Woods Cross Area POINT OF DIVERSION - UNDERGROUND: (1) N 790 ft W 55 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM D/AMETER OF WELL: ins. DEPTH: to ft. YEAR DRILLED: WELL LOG2 NO WELL ID4: Concenti Historic well has been abandoned POINT OF DIVERSION - UNDERGROUND (ABANDONED) : (1) N 790 ft W 55 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM DIAMETER OF WELL: 3 LRs. DEPTH: to IL. YEAR DRILLED: 1896 WELL LOG2 No WELL 1D4: 35126 USES OF WATER RIGHT\*\*\*\*\*\*\* ELG \_ Equivalent Livestock Unit (cow, horse, etc.) \*\*\*\*\*\*\*\* EDG - Equivalent Domestic Unit or 1 Family (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) and a state of the SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtemant to the following useis): 31 2059 (WUC) , 2069 (WUC) , 2069 (WUC) , 2070 (WUC) , 2071 (WUC) , 2145 (WUC) , 2147 (WUC) , 2148 (WUC) , 2149 (WUC) , 2150 (WUC) IRRIGATION: Beneficial Use Amt: 8.159 acres of the Group Total of 59.043 PERIOD OF USE: 04/01 TO 10/31 PERIOD OF USE: 01/01 90 12/31 STOCKWATER: Beneficial Use Amt: 32,0000 ELUS. of the Group Total of 141. \* Section WHIPLACE OF USE: \* NW | NE | SW | SE \* NW NE | SK | SE \* NV | NE | SV | SE \* NV I NE I SK I SE \* **Totals** Sec 34 T 2W R JW SLBM \* 2.1900 \* 3,32001 2,5000122,5300122,5700\* 22.25001 75.3600 GROUP ACREAGE TOTAL: 75,3600 SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtenant to the following use(s):

31-2059(NUC), 2068(NUC), 2069(NUC), 2070(NUC), 2071(NUC), 2084(NUC), 2091(NUC), 2145(NUC), 2147(NUC), 2148(NUC), 2149(NUC), 2149(NUC

Even though the change to municipal use under 31-2147 has not been certificated, it is included in this group for administrative and distribution purposes.

WRNUM 31-2147 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this da

MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 33.532

	NORTH	I-WEST= N	ORTH EAST=	SOUTH	VEST=	SOUTH-EAST=		
	NW NE	SW SE N	W NE SW SE	NW NE S	W SE	NW NE SW SE		
Sec 34 T 2N R IW SLEM	* 23	a	X: X: X: X*	- 1 XI	£ 7			
SEGREGATION HISTORY****			*****				******	
This Right as originally								
	FLOW IN		*			TER US		annue .
	CFS	ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUS)	and a state of a state of a	MUNICIPAL (*	MINING POWER -ACRE-FEET	OTHER
	0,374		10.4140	41,0000				
NAME: Utah Depa FILED: 10/15/200 APPR:	rtment of Tra 7 STATUS:	***						
	CFS	ACRE-FEET	IRRIGATED	STOCK		MUNICIPAL	MINING POWER	OTHER
			ACREAGE	(ELUs) 32.0000	(FAMILIES)	ERRÔR	ACRE-FEET-	
1-2147 currently has: MUNICIPAL i:	0.3524 RIGHT but N	OT SECMASTER	8.1590	32.0000		ERNON		
MUNICIPAL L	OF WATER****	********		32.0000		******	*****	
MUNICIPAL I	OF WATER****	(LAST U	sed: 13/ /	DIPRIOR FF	IOM:	IPRIOR TO:	******	
MUNICIPAL I PPLICATIONS FOR NONUSE XT NUMBER:  RI 11ED: 12/10/2007 PL	OF WATER****	(LAST U. 01/2005)PUB EN	SED: 13/ / DED: 01/08/200	DIPRIOR FF	CM: R: Davis Co	IFRIOR TO: Dunty Clipper	******	END:01/28/200

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2148(U9309)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2010 Page 1

WATER RIGHT: 31-2148 APPLICATION/CLAIM NO.: 09309 CERT. MD.:

CHANGES: a33833 Withdrawn, a39404 Approved

OWNERSIIP NAME: Woods Cross City ADDR: 1555 South 800 Weat Woods Cross, UT 84087 REMARKS: 59.043 ac,141 elu's supp/w other rights LAND OWNED BY APPLICANT? COUNTY TAX ID4: 03/21/1936 | PRIORETY: / /1896 | PUB REGAN: PUB ENDED: NEWSPAPER: FILED: | | HEARNG HLD: ProtestEnd: PROTESTED: INC. ISE ACTION: | | ActionDate: PROOF DUE: IELEC/PROOF; ] I ELEC/PROOF: |CERT/WUC: 05/09/1965|LAP, ETC: LAPS LETTER: EXTENSIONS RUSH LETTR: IRENOVATE: INECON RECT ITYPE: | . PD BOOK: | 31-3 | MAP: [33cd | PUE DATE: Type of Right: Underground Water Claim Source of Info: Proposed Determination Status: Water User's Claim FLON: 0.1249 cfs SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: Woods Cross Area POINT OF DIVERSION - UNDERGROUND: (1) N 815 Ft W 55 Ft from E4 cor, Sec 34, T 2N, R 1W, SLBM DIAMETER OF WELL: ins, DEPTH: to ft. YEAR DRILLED: WELL LOG? No WELL TREE historic well has been abandoned Comment+ POINT OF DIVERSION - UNDERGROUND (ABANDONED) : (1) N 815 ft W 55 ft from E4 cor, Sec 34, T 2N, R 1W, SABM ft, YEAR DRILLED: 1896 WELL LOG? No WELL ID/: 35125 DIAMETER OF WELL: 3 Ins. DEPTH: 50 USES OF WATER RIGHT \*\*\*\*\*\*\* ELU - Equivalent Livestock Unit (cow, horse, etc.) \*\*\*\*\*\*\*\* EDU - Equivalent Domestic Unit or I Family (The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) SUPPLEMENTAL GROUP NO. 30364. Water Rights Appurtenant to the following use(s): 31-2059 (MUC), 2068 (MUC), 2069 (MUC), 2070 (MUC), 2071 (MUC), 2145 (MUC), 2147 (MUC), 2148 (MUC), 2148 (MUC), 2148 (MUC), 2150 (MUC) IRRIGATION: Beneficial Use Amt: 3.06 acres of the Group Total of 59.043 PERIOD OF USE: 04/01 TO 10/31 STOCKWATER: Beneficial Use Amt: 10.0000 ELUs of the Group Total of 141. PERIOD OF USE: 01/01 TO 12/31 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ##PLACE OF USE: Section \* NAF | NE | SAF | SE \* NAF | NE | SW | SE \* NAF | NE | SW | SE \* NAF | NE | SAF | SE \* Totals Sec 36 T 2N R IW SLEM \*\_\_\_ 2.1900] \* 3.3200 2.5000 22.5300 22.5700\* 22.2500 75.3600 75,3600 GROUP ADREAGE TOTAL : SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtenant to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) Even though the change to municipal use under 31 2148 has not been certificated, it is included in this group for administrative and distribution purposes.

WRNUM 31-2148 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this da

MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 12.52

Sec 34 T 2N R 1W SLEM	NW NE	SW SE N	HORTH-EAST- W NE SW SE X: X: X: X*	BOUTH -V NW NE 3 ; X:	W SE	BOUTH-EAST- NW NE SW 5E			
SECREGATION RISTORY****		*********	*********			•••••			••••••
Chis Right as originali	y filed: FLOW IN CFS	QUANTITY IN ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUs)	W A DOMESTIC (FAMILIES)	MUNICIPAL	E S MINING -ACRE-1	POWER	OTHER
	0,133		3.9060	12.0000					
FILBD: 10/15/200 APPR:		******			**********			*********	****
31-2148 currently has: MUNICIPAL 1:	CFS 0.12495 n RIGHT but N	ACRE-FEET	IRRIGATED ACREAGE 3.0600	STOCK (ELUs) 10,0000	DOMESTIC (FAMILIES)	MUNICIPAL (* ERROR	MINING -ACRE-1	POWER FEET-	OTHER.
AND DEPENDENCE AND ADDRESS	OF WATER****	******	******	*******	*******	*****	******		********
APPLICATIONS FOR NONUSE				DIPRIOR FR		PRIOR TO:			

# STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2149(U9311)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2014 Page 1

WATER RIGHT: 31-2149 APPLICATION/CLAIM NO.: USEIN CERT. NO.:

CHANGES: a33833 Withdrawn, a39404 Approved NAME: Woods Cross City ADDR: 1555 South 800 West Woods Cross, UT 84087 REMARKS: 59.043 ac, 141 elu's supp/w other rights LAND OWNED BY APPLICANT? COUNTY TAX ID#: 03/21/1936|PRIORITY: / /1896|PUB BEGAN: IPUB ENDEU: INEWSPAPER: SE ACTION: | |ActionDate: FILEDA ) (REARNG HLD: PROOF DUE: ProtestEnd: PROTESTED: [No EXTENSION: ELEC/PROOF: | ||ELEC/PROOF: (CERT/WUC: 05/09/1965(LAP, ETC: LAPS LETTER: 1 RENOVATE: RECON REC: TTYPE: 1 RUSH LETTR: FB BOOK: ( 31-3 ) [MAP: [33cd | PUB DATE: Source of Infor Proposed Determination Status: Water User's Claim Type of Right: Underground Water Claim specific and a second distance in the second s FLOW: 0.1572 cfs SOURCE: Underground Water Well COMMON DESCHIPTION: Woods Cross Area COUNTY: Davis POINT OF DIVERSION - UNDERGROUND: (1) N B80 IL W 55 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM DIAMETER OF WELL: ins. DEPTH: to ft. YEAR DRILLED: Ins. DEPTH: ft. YEAR DRILLED: WELL LOG? No WELL THE historic well has been abandoned Comment: POINT OF DIVERSION - UNDERGROUND (ABANDONED) : (1) N 880 ft W 55 ft from E4 cor, Sec 34, T 2N, R 1W, SLEM FL. YEAR DRILLED: 1896 WELL LOG? No WELL IDF: 35123 DIAMETER OF WELL: 2 ins. DEPTH: to USES OF WATER RIGHT\*\*\*\*\* ELU - Equivalent Livestock Unit (cow, horse, etc.) \*\*\*\*\*\*\*\* EDU - Equivalent Domestic Unit or 1 Family (The Reneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.) SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtement to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) TRRIGATION: Beneficial Use Amt: 3.694 acres of the Group Total of 59.043 PERIOD OF USE: 04/01 TO 10/31 STOCKWATER: Beneficial Use Amt: 13,0000 ELUs of the Group Total of 141. PERIOD OF USE: 01/01 TO 12/31 ............ \* - NORTH WEST QUARTER \* NORTH EAST QUARTER \* - SQUITH WEST QUARTER \* SQUITH WEST QUARTER \* SQUITH WEST QUARTER \* SQUITH WEST QUARTER \* NW | NE | SW | SE \* NW | SE \* Section 湖阳ACE OF USE: Totals. 2,1900 Sec 34 T 2N R 1W SLBM \* \* 3.3200 2.5000 22.5300 22.5700\* 122.2500 \_\_\_\_\_ 75.3600 10 GROUP ACREAGE TOTAL : 75.3800 SUPPLEMENTAL GROUP NO. 30402. Water Rights Appurtonant to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) Even though the change to municipal use under 31-2149 has not been certificated, if is included in this group for administrative and distribution purposes.

WRNUM 31-2149 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this da

MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 15.14

			NORTH EAST'	SOUTH-	1.01.00.1	SOUTH-EAST*			
			NW NE SW SE	NW ME 1		NW ME SW SE			
iec 34 T 2N R 1W SLBM		X2 : * *	X: X: X: X*	* r X:	3.4	* 3 3 3 4			
FEGREGATION HISTORY ·····	******	************	*************	**********	*******	*****			
This Right as originally Fi									
P	W IN	QUANTITY IN			and the second	TERUS		-	A PRIME
10	IFS	ACRE FEET	IRRIGATED ACREAGE	STOCK (ELMS)	and a state of the	MUNICIPAL (*	MINING	POWER FEET	OTHER
c	167		4.7150	17.0000					
I) WRNUM: 31-5251 0	have been 0.00977	n Segregated f	rom 31-2149: 1.0210	4.0000					
<ol> <li>WRNUM: 31-5251 ( APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR:</li> </ol>	0.00977			4.0000					
<ol> <li>WRNUM: 31-5251 ( APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR:</li> </ol>	0.00977			4.0000		N			
I) WRNUM: 31-5251 0 APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR:	0.00977		1.0210 IRRIGATED	STOCK	DOMESTIC	MUNICIPAL	MINING	POWER	аненала
( I) WRNUM: 31-5251 0 APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR:	0.00977 ent of Tra ATUS: FS	ansportation	1.0210 IRRIGATED ACREAGE	STOCK (ELUS)		(*	ACRE		отнев
APPLF: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR:	0.00977 ent of Tra "ATUS: "FS 0.15723	ansportation ACRE-FEET	1.0210 IRRIGATED	STOCK	DOMESTIC	service electronic	ACRE		aahto
<pre>( I) WRNUM: 31-5251 0 APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR: C 81-2149 currently has: 0</pre>	0.00977 ent of Tra "ATUS: "FS 0.15723 CHT but f	ansportation ACRE-FEET	1.0210 IRRIGATED ACREAGE	STOCK (ELUS)	DOMESTIC	(*	ACRE		отнев
( I) WRNUM: 31-5251 0 APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR: C 81-2149 currently has: 0 MUNICIPAT. in RI	0.00977 ent of Tra ATUS: FS 0.15723 EHT but f WATER****	ansportation ACRE-FEET	1.0210 IRRIGATED ACREAGE	STOCK (ELUs) 13.0000	DOMESTIC	(*	ACRE		отнев
<ol> <li>WRNUM: 31-5251 0 APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR:</li> <li>C</li> <li>C</li> <li>C</li> <li>C</li> <li>C</li> <li>C</li> <li>MUNICIPAL in RI</li> <li>PPLICATIONS FOR NONUSE OF</li> </ol>	0.00977 ent of Tra varus: FS 0.15723 EHT but f WATER****	ACRE-FEET NOT SEGMASTER	I.0210 IRRIGATED ACREAGE 3.6940 USED: 13/ A	STOCK (ELDS) 13.0000	DOMESTIC (FAMILIES)	(*EBROR	ÀCRE	-FEET	OTHER ••••••
<pre>I) WRNUM: 31-5251 0 APPL#: U9311 NAME: Utah Departme FILED: 10/15/2007 ST APPR: 0 1-2149 Ourrently has: 0 MUNICIPAL IN RI PPLICATIONS FOR NONUSE OF XT NUMBER: IREQUS LED: 12/10/200719UB B</pre>	0.00977 ent of Tra varus: FS 0.15723 EHT but f WATER****	ACRE-FEET ACRE-FEET NOT SEGMASTER (LAST 1 /01/2008/PUB EI	I.0210 IRRIGATED ACREAGE 3.6940 USED: 13/ A	STOCK (EIUs) 13.0000	DOMESTIC (FAMILIES)	(*EBROR	- ACRE	FEET-	END:01/26/20

#### STATE OF UTAH -- DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 31-2150(U9307)

(WARNING: Water Righls makes NO claims as to the accuracy of this data.) RUN DATE: 10/29/2010 Page |

WATER RIGHT: 31-2150 APPLICATION/CLAIM NO.: U9307 CERT. NO.:

CHANGES: a33833 Withdrawn, a39404 Approved

NAME: Woods Cross City ADDR: 1555 South 800 West Woods Cross, UT 84087 REMARKS: 59.043 ac, 191 elu's supp/w other rights

LAND OWNED BY APPLICANT? COUNTY TAX ID#: 03/21/1936 PRIORITY: / /1896 PUB BEGAN: FILED: PUB ENDED: INEWSPAPER: ProtestEndi PROTESTED: No | | HEARNG HLD: ISE ACTION: | | [ActionDate: PROOF DUE: | |ELEC/PROOF: EXTENSION: ELEC/PROOF: | [CERT/WUC: 05/09/19651LAP, ETC: LAPS LETTER: RUSH LETTR: RENOVATE: IRECON REO: TTYPE: 1 10 PD BOOK: | 31-3 | |MAP: |33cd I I PUB DATE: Type of Right: Underground Water Claim Source of Info: Proposed Determination Status: Water Mser's Claim FLOW: 0.1572 cfs SOURCE: Underground Water Well COUNTY: Davis COMMON DESCRIPTION: Woods Eross Arma POINT OF DIVERSION - UNDERSPOUND: (1) N 835 ft W 55 ft from E4 cor, Sec 34, T 2N, R 1W, SLBM DIAMETER OF WELL: ins. DEPTH: to ft. YEAR DRILLED: WELL LOG? No WELL ID41 Comment: historic well has been abandoned POINT OF DIVERSION - UNDERGROUND (ABANDONED) : (1) N B35 FL W 35 FL From E4 cor, Sec 34, T 2N, R 1W, SLBM DIAMETER OF WELL: 2 ins. DEPTH; to FL, YEAR DRILLED; 1 IL, YEAR DRILLED: 1896 WELL LOG? No WELL ID#: 35124 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,) the set in the lattice in the lattice and all the lattice in the lattice in the lattice in SUPPLEMENTAL GROUP NO. 30384. Water Rights Appurtenant to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) IRRIGATION: Beneficial Use Amt: 3,694 acres of the Group Total of 59.043 PERIOD OF USE: 04/01 TO 10/31 STOCKWATER: Beneficial Use Amt: 13,0000 ELUs of the Group Total of 14). PERIOD OF USE: 01/01 TO 12/31 ...................... Section WHOPLACE OF USE: \* NU | NE | SH | SE \* NU | NE | SH | SE \* NU | NE | SW | SE \* NU NE SH SE \* Totals \* 3.3200 2.9000 22.5300 22.5700\*\_\_\_\_\_ [22.2500]\_ Sec. 34 T 2N R 1W SLBM \* 2.1900 75.3600 GROUP ACREAGE TOTALT 75.3600 SUPPLEMENTAL GROUP NG. 30402. Water Rights Appurtenant to the following use(s): 31-2059 (WUC), 2068 (WUC), 2069 (WUC), 2070 (WUC), 2071 (WUC), 2084 (WUC), 2091 (WUC), 2145 (WUC), 2147 (WUC), 2148 (WUC), 2148 (WUC), 2149 (WUC), 2150 (WUC) 2398 (UGWC), 3849 (WUC), 3971 (WUC), 4569 (APP), 4600 (WD), 5209 (APP) Even though the change to municipal use under 31-2150 has not meen certificated, it is included in this group for administrative and distribution purposes.

WRNUM 31-2150 continued\*\*\* (WARNING: Water Rights makes NO claims as to the accuracy of this da

MUNICIPAL: Woods Cross Acre Feet Contributed by this Right for this Use: 15.14

	NORT	H WEST- N	ORTH-EAST=	SOUTH	HEST -	SOUTH-EAST=			
			W NE SW SE	NW NET 5		NW NE SW SE			
Sec 34 T 2N R 1W SLBM	• •	X: : * •	X: X: X: X*	• : *:	1 *	* * * * *			
SEGREGATION HISTORY****	*********		******		*******	*******		*******	
This Right as briginali	y filed:								
	FLOW IN	QUANTITY IN				TER US			
	CFS	ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUS)	COMESTIC (FAMILIES)	MONICIPAL	MINING ACRE	POWER FEET	OTHER
	0.167		4.7150	17,0000					
FILED: 10/15/200		ansportation							
APPR:	the second set in most of the set of the								
APPRI	**********				DOMESTIC	MUNICIPAL.	MINING	POWER	OTHER
	CFS	ACRE-FEET	IRRIGATED ACREAGE	STOCK (ELUs)	(FAMILIES)	11	ACRE-	FEET	
31-2150 currently has:	0.15723	ACRE-FEET				(*ERROR	-ACRE -	FERT	
31-2150 currently has:	C.15723 n BIGHT but	NOT SEGMASTER	ACREAGE 3.6940	(ELUs) 13.0000	(FAMILIES)	ERROR	-ACRE -	FEET	
91-2150 currently has: MUNICIPAL i APPLICATIONS FOR NONUSE	C.15723 n BIGHT but	NOT SEGMASTER	ACREAGE 3.6940	(ELOs) 13.0000	(FAMILIES)	ERROR		FEET	
31-2150 currently has: MUNICIPAL 1 APPLICATIONS FOR NONUSE EXT NUMBER: IR FILED: 12/10/2007/P	0.15723 n RIGHT but OF WATER***	NOT SEGMASTER (LAST U /01/2008 PUB EN	ACREAGE 3.6940	(ELOs) 13.0000 	(FAMILIES)	ERKOR		PROTEST E	2ND:01/28/200