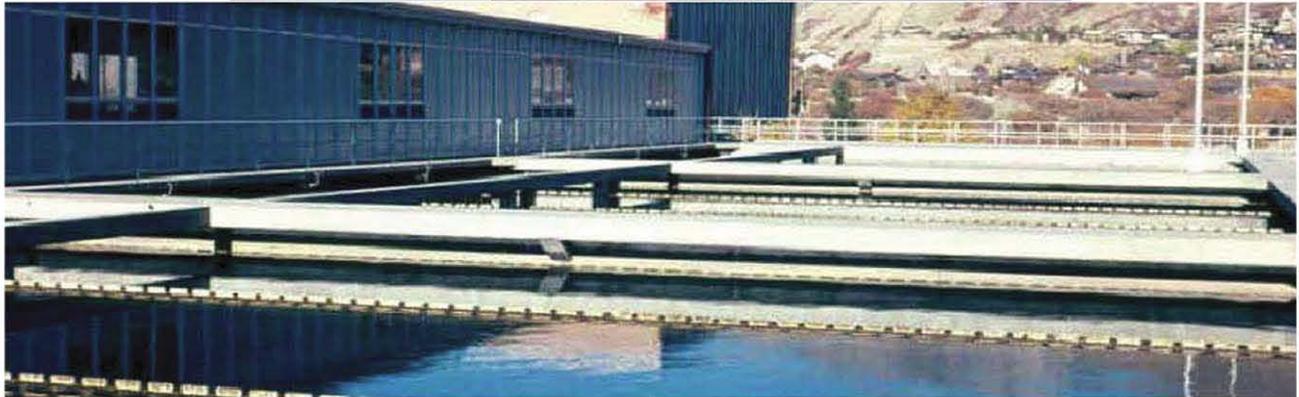
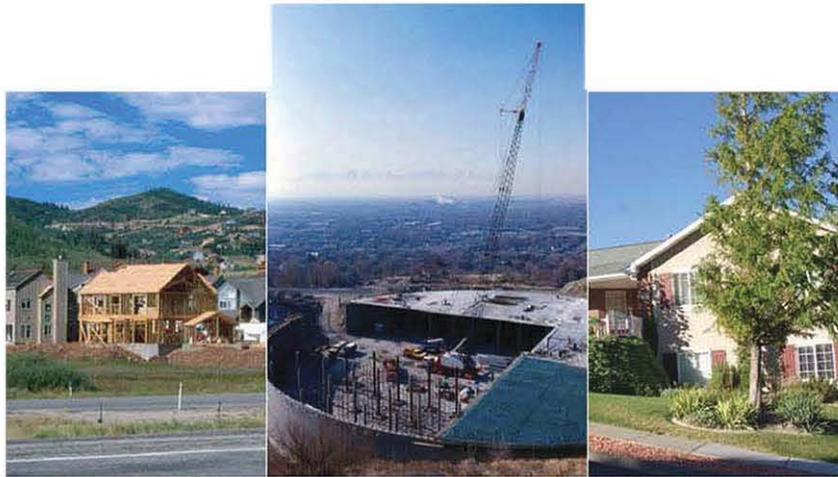


# State of Utah Municipal and Industrial Water Supply and Use Study Summary 2010



*October*



*2014*



**MUNICIPAL AND INDUSTRIAL WATER  
SUPPLY AND USE STUDIES**

**UTAH STATE SUMMARY**

**2014**

**Prepared by**

**Utah department of Natural Resources  
Division of Water Resources**

**October 14, 2014**



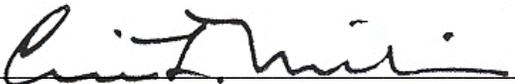
## ACKNOWLEDGEMENTS

The municipal and industrial water use information summarized in this report was gathered under the direction of Todd D. Adams, Deputy Director. Eric K. Klotz, Chief of the Water Conservation and Education Section, supervised the preparation of this report, as well as participated in some of the referenced individual Municipal and Industrial (M&I) reports.

Other staff members that collected and/or analyzed the data of this report include: Anny Merrill, Jim Stephens, Gregory Williams, Eric Klotz and Eric Jones.

Additionally, recognition and appreciation is given to the cooperation and efforts of the Division of Water Rights and the numerous water supplying entities that provided data used in this report.

This summary report was prepared by Eric Jones, with figures by Adam Clark.

A handwritten signature in black ink, appearing to read "Eric L. Millis", is written over a horizontal line.

Eric L. Millis, P.E., Director  
Utah Division of Water Resources



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## EXECUTIVE SUMMARY

Since the publication of the *Utah State Water Plan* in 1990, the Utah Division of Water Resources (DWRe) has prepared a detailed summary of Utah's municipal and industrial (M&I) water every 5 years. This effort includes the quantification of both potable (drinking) and non-potable (secondary) M&I water supplies and uses for community, non-community, self-supplied industries and private domestic water systems. The DWRe has summarized all M&I data for each of the hydrologic basins in this statewide summary for quick and access information about M&I water use.

The data was collected for the year 2010 from each of the water systems throughout the state. This statewide summary is a compilation of the data and can be considered to be representative of the statewide municipal and industrial water usage for the calendar year of 2010.

Within the state of Utah, more than 1,000,000 acre-feet (ac-ft) of water (an ac-ft is the amount of water required to cover one acre of area, one foot deep or 325,851 gallons) is used annually for M&I purposes. Specifically, the above-mentioned data indicates a total of 1,000,757 ac-ft of statewide M&I water use. Seventy percent of that total (746,112 ac-ft) is potable water, with the remaining 30 percent or 254,175 ac-ft being non-potable water. From the standpoint of types of water systems, 76 percent of potable M&I water is delivered by Public Community water systems (566,845 ac-ft), 1 percent by Public Non-Community (9,400 ac-ft), 22 percent by Self-Supplied Industries (162,899 ac-ft) and 1 percent by Private Domestic water systems (6,967 ac-ft).

For the Public Community water systems, residential use accounts for the bulk of the total water use at 68 percent (508,687 ac-ft) of the total (737,688 ac-ft). Commercial businesses accounted for 16 percent (116,883 ac-ft) of the total water use. Institutional settings used 12 percent (87,049 ac-ft), while industrial applications used 3 percent of the total (19,313 ac-ft). The remaining amount, 1 percent (5,756 ac-ft), was used by second homes. Public Community

systems serve about 98 percent of the total population of the state, with the remaining 2 percent of the population being served by private domestic water systems.

All of the Public Community water systems collectively delivered a statewide total of 737,688 ac-ft of water. Using an estimated 2010 state population (for public community systems) of 2,726,650 people for these systems, the overall per capita water use for these systems is 240 gallons per capita per day (gpcd). Of this total, 185 gpcd is potable and 55 gpcd is non-potable water.

The combined total statewide annual reliable systems supply of public community water systems is 1,106,134 ac-ft (includes reliable supply and non-potable water supply). This supply breaks down to a total of about 10 percent of their supplies from springs, 45 percent from wells, 30 percent from surface, and 15 percent from non-potable sources. In each section, a table presents a similar breakdown for the counties within each of the basins. Included in the 2010 summary is information on the water deliveries and depletions for each of the counties included in the basins, as well as basin totals. The public community deliveries and depletions are 737,688.3 ac-ft of total water deliveries and 270,320.6 ac-ft of depletions. The M&I deliveries and depletions for the entire state are 1,000,280.1 ac-ft of total water deliveries and 519,653.1 ac-ft of depletions.

## **Section 1 INTRODUCTION**

### **1.1 Authority**

Since its creation by the Utah State Legislature over sixty years ago, The Utah Division of Water Resources (DWRe) has continued the overall responsibility for completing studies, investigations, and plans for the purpose of promoting and facilitating the responsible development and utilization of the water resources within the state of Utah. The Utah State Water Plan, prepared and distributed in 1990, further provided a foundation and overall direction to establish and implement the state policy framework of water management.

### **1.2 Scope**

The purpose of this report is to provide a 2010 reference summary of the municipal and industrial (M&I) water supplies and use information throughout the state of Utah. The data presented in this report will be used in the State Water Plan planning process, as well as other DWRe reports and studies. This report summarizes the individual basin Municipal and Industrial Water Supply Studies reports compiled by the Division of Water Resources for each of the hydrologic basins and study areas for the calendar year of 2010.

### **1.3 Definitions**

A number of different types of systems supply water for a variety of users. The general term “supply” is defined as the amount of water available. Municipalities own most of the individual water supply systems. However, in some cases the owner/operator is a private company, state or federal agency. Thus, a “public” water supply may be either publicly or privately owned and supply treated and/or untreated water.

Water is used in many ways and for several purposes. It is often said that water is “used” when it is diverted, demanded, withdrawn, depleted or consumed. But it is also "used" in place

for such things as fish and wildlife habitat, recreation and hydropower production. Water use in this report is defined as “delivered” water.

### **1.3.1 Water System Categories**

#### **1.3.1.1 Public Community Water System**

Provides potable and/or non-potable water by either a privately or publicly owned water system which serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents. Water from the public community water supplies may be used in both indoor and outdoor applications for residential, commercial, institutional, and industrial purposes.

#### **1.3.1.2 Public Non-Community Water System**

These systems provide potable and/or non-potable water by either a privately or publicly owned water system to one of two types: transient and non-transient. Transient systems are systems that do not serve 25 of the same non-resident persons per day for more than six months per year. Examples include campgrounds, RV parks, restaurants, convenience stores, etc. Non-transient systems are systems that regularly serve 25 of the same non-resident persons per day for more than six months per year. Examples include churches, schools and industries. This report categorizes industrial non-transient systems as self-supplied industries.

#### **1.3.1.3 Self-Supplied Industrial System**

These systems provide potable and/or non-potable water for use by individual privately owned industries (usually from their own wells or springs).

#### **1.3.1.4 Private Domestic System**

These systems provide potable and/or non-potable water from privately owned wells and/or springs for use by individual homes.

## **1.3.2 Types of Water**

### **1.3.2.1 Potable Water**

Potable water includes water meeting all applicable Federal, State, and Local drinking water requirements for residential, commercial, institutional and industrial uses. It is also referred to as culinary water supply.

### **1.3.2.2 Non-Potable Water**

Non-potable water includes water that does not meet safe drinking water requirements. It is also referred to as secondary water. This water is usually delivered by pressurized or open ditch systems for irrigation of privately and publicly owned landscapes, gardens, parks, cemeteries, golf courses and other open areas. Sometimes called “dual” water systems, they are installed to provide an alternative to irrigating with culinary water for these outdoor areas.

Although irrigation companies most often provide this water, public community systems may deliver this water as well. Self-supplied industries also use non-potable water for industrial processes.

## **1.3.3 Water Supply Terms**

### **1.3.3.1 Maximum Developed Potable Water Supply**

This supply is the annual volume of potable water which is the lesser of the hydrologic capacity of the water source, the physical capacity of the water system, or the amount allowed by the collective water rights.

### **1.3.3.2 Reliable Potable Water Supply**

This supply is the annual volume within the maximum developed water supply that is available to meet peak demands. This is generally calculated as 100% of the maximum supply from surface water sources, 50% of the maximum yield of wells, and between 50% and 100% of the average annual spring flows. When this number is divided by the average per capita usage, the resulting number represents the theoretical maximum population that the water source can serve.

### **1.3.3.3 Municipal and Industrial Water Supply**

Includes all water (potable and non-potable) supplied for residential, commercial, institutional, light industry, and self-supplied industries. This supply is delivered by public community systems, public non-community (transient and non-transient) systems, self-supplied industrial systems, unregulated Indian water systems and private wells.

### **1.3.4 Water Use Terms**

#### **1.3.4.1 Commercial Use**

Use normally associated with small business operations that may include drinking water, food preparation, personal sanitation, facility cleaning and maintenance and irrigation of facility landscapes. Examples include retail businesses, restaurants and hotels.

#### **1.3.4.2 Industrial Use**

Use associated with the manufacturing or production of products. The volume of water used by industrial businesses can be considerably greater than water used by commercial businesses. Examples include manufacturing plants, oil and gas producers, mining companies, mink farms and dairies.

#### **1.3.4.3 Institutional Use**

Use normally associated with general operation of various public agencies and institutions (i.e. schools, municipal buildings, churches) including drinking water, personal sanitation, facility cleaning and maintenance and irrigation of parks, cemeteries, playgrounds, recreational areas, golf courses, and other facilities. The amount of water used by cities for outside irrigation of public areas typically is not metered.

#### **1.3.4.4 Residential Use**

Use associated with residential cooking, drinking water, washing clothes, miscellaneous cleaning, personal grooming and sanitation, irrigation of lawns, gardens and landscapes, and washing automobiles, driveways and other outside residential facilities. Examples include single-family homes, apartments, duplexes and condominiums.

### **1.3.5 Other Water Terms**

#### **1.3.5.1 Consumption**

Water evaporated, transpired or irreversibly bound in either a physical, chemical or biological process. Consumed water results in a loss of the original water supplied.

#### **1.3.5.2 Consumptive Use**

Losses of water brought about by human endeavors when used for residential, commercial, institutional, industrial, agricultural, power generation, and recreation. Naturally occurring vegetation and fish and wildlife also consumptively use water.

#### **1.3.5.3 Deliveries**

Water already within a system that is being provided to an individual connection, whether potable or non-potable and/or metered or not metered is considered delivered. The connection can be for residential, commercial, institutional, and/or industrial uses. **For the purpose of this report, the delivered water amount is equivalent to water use.**

#### **1.3.5.4 Depletion**

Water consumed and made unavailable for return to a given designated area, river system or basin. It is intended to represent the net loss to a system. The terms consumption and depletion are often used interchangeably but are not the same. For example, water exported from a basin is depletion to the basin system, yet it will not be consumed in the basin of origin. Water diverted to irrigate crops in a given system, but not returned for later use, is depletion. Precipitation that falls on irrigated crops is not considered a part of the supply like surface water and groundwater diversions. For this reason, precipitation falling on and consumed by irrigated crops is not considered as being depletion from the system.

#### **1.3.5.5 Diversion**

Water diverted from supply sources such as streams, lakes, reservoirs or groundwater for purposes such as cropland irrigation, as well as residential, commercial, institutional and industrial uses.

### **1.3.5.6 Withdrawal**

A withdrawal is water taken from supply sources such as lakes, streams, reservoirs or groundwater. This term is normally used in association with groundwater withdrawal. The terms diversion and withdrawal are often used interchangeably.

## **1.4 Data Collection Methodology**

The DWRe collected information from approximately 1,000 water systems, about 450 of which were public community systems. Due to the quantity of information collected from water providers in Utah, there has been a staggered time frame in the issuance of the M&I reports. The collected water supply and use data for all systems is for the calendar year of 2010.

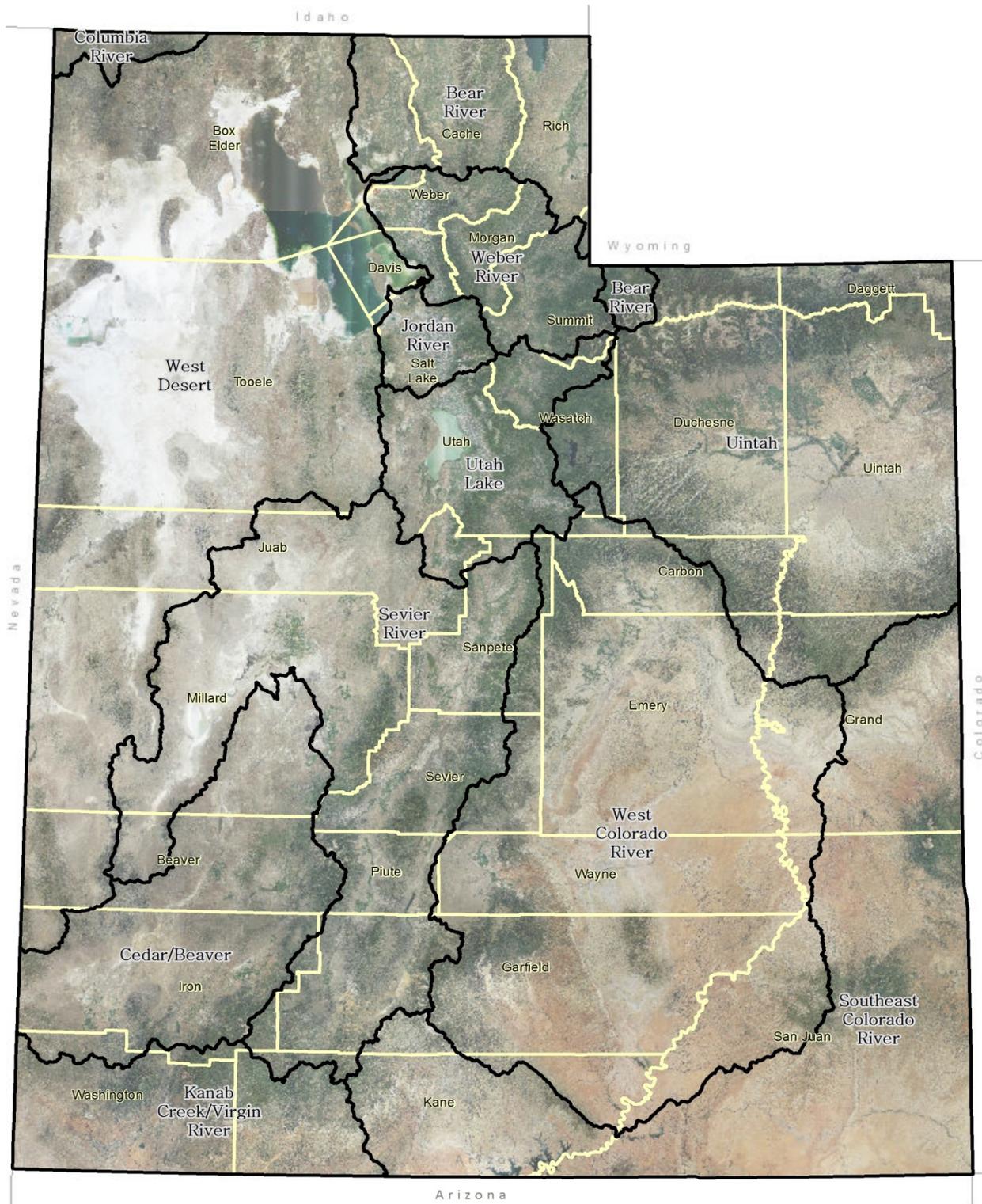
Due to many boundaries being politically created, county and basin boundaries rarely match. To assist in correlating the county with the basin information, Figure 1-1 shows the basins and associated counties.

### **1.4.1 Public Community Water Systems**

Since 1992, for public community water systems, the DWRe has gathered the annual water use and source information for each system from the Division of Water Rights (DWRi) off the returned Utah Water Use Data Form. The targeted year's information is critically reviewed for accuracy and completeness.

The DWRe staff will then contact each of the water systems for the additional information or clarification required. Particularly if a water use data form has not been returned, DWRe staff will schedule a meeting with the water system representatives. During these meetings, the information is collected and discussed, as well as assistance provided to the representatives on how to properly complete the forms.

A meeting may also be necessary to discuss the system's particular water use patterns, as well as their water sources and operation. With this information, the total water supply and usage of the system is calculated. If information is still insufficient, all or part of the system use and/or supply will be estimated using standardized acceptable practices.



**Figure 1-1** Hydrologic Basins with associated Counties

### **1.4.1.1 Water Supply**

#### **1.4.1.1.1 Potable Water**

Two factors define the potable water supply for public community water systems: maximum developed potable water supply available under present conditions and reliable potable water supply. The maximum developed potable water supply available under present conditions is defined as the water resource that is presently being utilized. It is limited by a mechanical constraint (such as pump capacity or pipe size), a hydrologic constraint (such as reliable stream flow or groundwater safe yield) or a legal constraint (such as a water right or legal contract). The lesser amount of water supply, due to these three constraints, is considered to be the maximum developed potable water supply available under present conditions used in this analysis. Determining the well pump capacities, average annual spring flow estimates, treatment plant capacities, and water right information aid in the calculation of this value. It should be noted that, due to the complexity of water rights, contracts, exchanges, etc., a detailed search of water right limitations associated with each entity is not within the scope of this study.

The reliable potable water supply is defined as the capacity to meet peak day demands, expressed as an annual volume. It is valuable in determining future water supply capacities of the particular community water system sources (wells, springs, etc.). The reliable potable water supply is calculated by adding together the maximum developed water supply capacity of surface sources, one-half of the maximum yield of wells or their pump capacities (unless otherwise indicated by the system manager), and a percentage of the average annual flow of spring sources. The percentage of the spring source flow range between 50% and 100%. The determination of the percentage is based on information provided by the water supplier. Figure 1-2 graphically presents the relationship between the maximum developed potable water supply and the reliable potable water supply of a system. By quantifying the maximum developed and the reliable potable water supply of a system, the total population that a system may potentially support can be determined. The current total yearly water use is the volume under the lower curve (Present Water Use Pattern). The future total yearly water use is the volume under the upper curve (Future Water Use Pattern). The latter volume is equivalent to the reliable developed potable water supply.

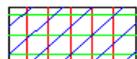
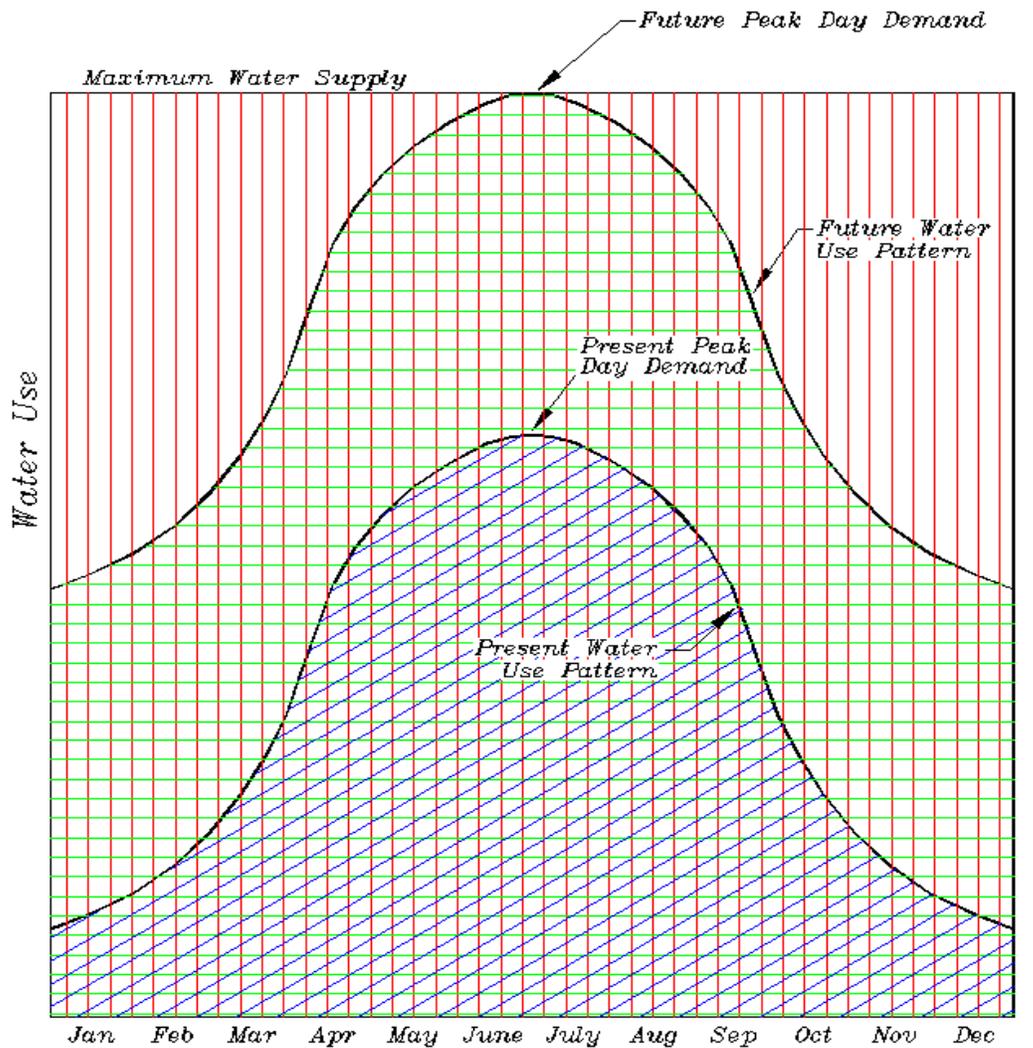
The maximum developed potable water supply under present conditions is the volume under the upper line (Maximum Water Supply). This amount is a theoretical annual volume based upon a maximum daily flow rate (limited by the water right or system capacity). Consequently, the peak day demand point on the future water use curve (Future Peak Day Demand) cannot exceed this upper limit. Due to the fluctuating nature of some sources (particularly springs), and the fact that most culinary water system storage tanks are designed to store only about one day of water demand, not all of the total maximum developed potable water supply is available to meet future water needs.

The reliable potable water supply is a theoretical annual volume based upon the current daily peak demand flow rate of any one system, under its current demand conditions. The DWRe uses the reliable potable water supply only as a reference tool to quantify the annual amount of water that can be delivered by each community water system. For planning purposes, the reliable potable water supply is essential for estimating what population base each system can theoretically support with current demand patterns. It is also a guideline to help predict the approximate timing of future system improvements in order to meet any increase in demand.

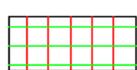
#### **1.4.1.1.2 Non-potable Water**

Deliveries of non-potable water are an important component of the water use within the boundaries of public community water systems. However, quantifying the available supply of this water is extremely difficult, due to the lack of and/or absence of metering, particularly at the level of individual property connections. Many of the non-potable water systems are part of a larger agricultural irrigation system. Hence, the theoretical supply includes both agricultural and M&I water. Currently, separating M&I non-potable from agricultural water is estimated.

With non-potable water use becoming more prevalent for outdoor landscaping, estimating the available supply of this water is becoming increasingly more important. For planning purposes, the DWRe assumes that the supply for M&I non-potable irrigation is simply equal to the current use.



Present Yearly Water Use (Volume under curve)



Present Reliable System Source Capacity/Future Water Use (Volume under curve)  
When this volume is divided by annual per capita water use, this yields the population that can be reliably served.



Maximum Source Capacity Available Under Present Conditions (Volume under line)

**Figure 1-2** Water Supply and Use Hydrograph

### 1.4.1.2 Water Use

Present water use, as defined herein, is the developed water supply that is actually delivered by the distribution system from surface or subsurface sources. Water use is divided into four categories as defined in the following sections.

#### 1.4.1.2.1 Residential

The DWRe staff collects data about the number of residential connections and the amount of water used by those connections from a water system representative. Water use in this category is divided into three subcategories: culinary-outdoor, culinary-indoor, and non-potable-outdoor. While most systems will meter the total culinary residential water use, indoor and outdoor use are rarely metered separately.

Typically, culinary indoor water use will be determined first. One method to estimate the indoor use is to review residential meter reading totals for the system from the winter months, if available. Since outdoor watering typically does not occur during the winter months, it can be assumed that the water used in winter months is for indoor use only. The winter water use is then used to determine the total yearly indoor use.

When the above method does not yield a reasonable value for indoor use, the per capita indoor water use for a system can be estimated by using an equation that was developed in a detailed residential study, “Identifying Residential Water Use”, completed by the DWRe in 2009. The mathematical equation that was developed is as follows:

$$GPD_{Indoor} = 32.1 * PPH + 88.4 \quad \text{Correlation Coefficient } R^2 = 0.67$$

$$GPCD_{Indoor} = \frac{88.4}{PPH} + 32.1 \quad \text{(Derived from above equation)}$$

PPH = persons per household (US Census Bureau)

The total yearly indoor water use is then calculated for the system by multiplying the result of the above equation by the current population. Outdoor culinary water use can then be

estimated by subtracting the total yearly indoor water use from the metered total residential culinary water use.

The DWRe staff estimates the outdoor non-potable water use by using the average lot size, percent irrigated, percent of residences that are supplied by separate non-potable (pressurized and ditch) irrigation systems, water right-duty rates (volume of water required for turf growth) in the area, and other related information for each system. In determining residential non-potable use, care is taken to not include irrigation water use for small pastures or farm fields that can often be found adjacent to residences, particularly in rural communities.

#### **1.4.1.2.2 Commercial**

For most systems, the system operator can separate metered commercial water use data from the total water use. In cases where this data is not available, or is extremely difficult to obtain, the DWRe staff attempts to estimate commercial water use by inventorying commercial businesses in the area and using published commercial water use estimates. The DDW and the Utah State Water Lab, among others, publish these estimates. In some rural communities where there are a relatively small number of commercial connections, the businesses are visited individually by the DWRe staff and asked about their water use.

Some commercial facilities use non-potable water to irrigate outside landscapes. This is especially typical for commercial golf courses. Again, it is typical that non-potable water is not metered. The DWRe staff estimates this use by multiplying the size of the irrigated area by a water right-duty rate or the evapotranspiration (ET) rate with an assumed application efficiency percentage. The ET used is indicative of the amount of water, in inches, necessary for turf growth.

#### **1.4.1.2.3 Institutional**

Institutional water use is water used for city, county, state and federal government facilities, parks, municipal golf courses, schools, hospitals, churches, military facilities, as well as fire hydrant testing and other municipal losses in the water system. Because this water use is often not metered, the process to acquire this data is difficult. The system operator is asked to

provide information about city facilities such as the number and size (irrigated acreage) of parks, schools, churches, and municipal golf courses. Water right-duty rates and/or the ET, with appropriate efficiencies, are used to calculate the amount of water that is needed to irrigate these areas. Estimates of leakage and water use for testing and flushing are also included in this category.

#### **1.4.1.2.4 Industrial**

Industrial water use is defined as water used in the production of a product. Therefore, such commercial establishments as dairies, mink farms, and greenhouses, as well as stockwatering, are included in this category, provided a community water system serves them. Industrial water use within community water systems is calculated with the same process used to calculate commercial water use data discussed earlier.

#### **1.4.2 Public Non-Community Systems**

The DWRe staff attempts to contact each non-community system and/or make a personal visit to these systems. Non-community systems rarely meter their water use, so the DWRe staff estimate the annual water use. Questions are asked to determine the types of facilities on the system; population served, water source information, irrigation of outside areas, etc. This data, along with information found in water-related publications, is used to determine water use. The maximum and reliable water supplies for these systems are relatively small, often not available and are therefore not included in this study. However, for planning purposes, the DWRe assumes that the water supply for these systems is equal to their water use.

#### **1.4.3 Self-Supplied Industries**

Although self-supplied industries are included in the Non-Community Water Systems category as defined by the DDW, the DWRe has divided them into a separate category due to their importance. The category is equivalent to the DDW's Non-Community, Non-Transient category.

Water use is acquired for self-supplied industries by using data from the DWRI's Industrial Water Use Form and/or electronically submitted data. The DWRI collects annual water

use data from most of the major self-supplied industrial water users in the state. This data is confidential. Therefore, the data presented in this M&I study is only presented as county totals. As with other non-community systems, the maximum and reliable water supplies are often not available and are not in the scope of this study. For planning purposes, the DWRe assumes that the water supply for these systems is equal to their water use.

#### **1.4.4 Private Domestic Water Systems**

Private domestic systems are residences that are not connected to any public community or non-community water system. They are usually supplied by individual wells. To determine the water use data for this category, the population of those served by private domestic systems is estimated. This population is estimated by subtracting the population served by community water systems from the county population data acquired from the Governor's Office of Planning and Budget (GOPB). The remainder is assumed to be the population that is served by private domestic systems. The per capita water use rate for this category is assumed to be the same as the rate for the public community system residential category for that county. To determine the total water use by private domestic systems, the estimated population is then multiplied by this rate. Again, the maximum and reliable water supplies for private wells, being relatively small, are not in the scope of this study. Similarly, for planning purposes, the DWRe assumes that the water supply for these systems is equal to their water use.

#### **1.4.5 Water Rights**

The following summary does not include information regarding water rights within each basin. However, it is important to note that water rights should be considered with water supply and use in Utah. Information about current regulations for individual basins can be found the Division of Water Rights website at:

<http://www.waterrights.utah.gov/wrinfo/policy/wrareas/default.asp>

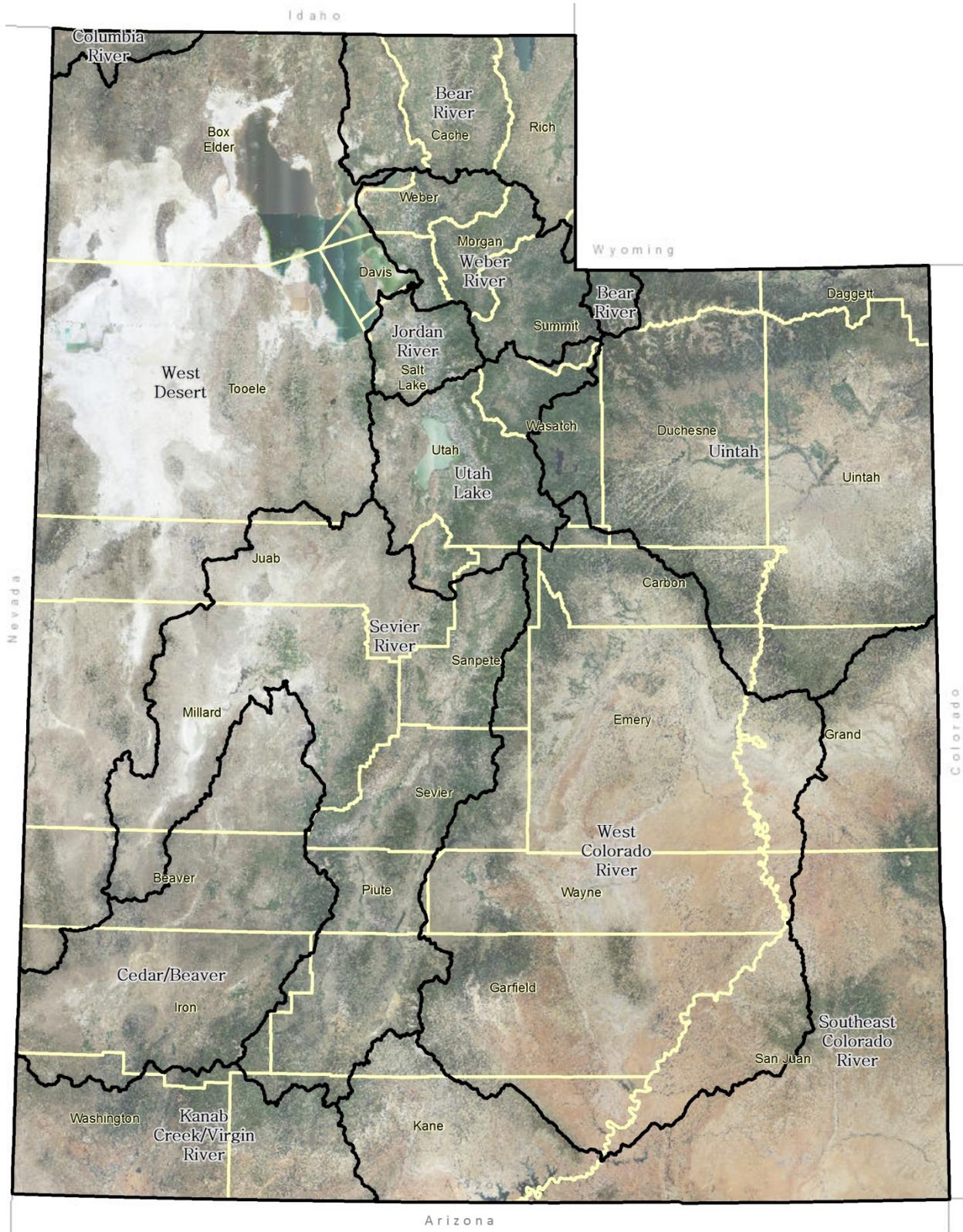
## **Section 2**

### **MUNICIPAL AND INDUSTRIAL WATER USE BY HYDROLOGIC BASIN**

The state of Utah is divided into 12 hydrologic basins. The small portion of the Columbia River Basin that intersects the northwest corner of the state is incorporated into the West Desert Basin. The following figure shows the boundaries of each hydrologic basin.

In the following sections, there are brief physical descriptions of each basin, with maps depicting a listing and location of the water systems within the basin. Overall water use is then discussed, with a table that breaks down the water use by the types of water systems, as well as potable and non-potable water use. The remainder of the water use information is on public community water systems, as they are most often the largest users of both potable and non-potable water in each basin. Total reliable water supply and water use by category, both potable and non-potable is broken down by county for the public community systems in each basin.

Additional detailed water use information on each basin is available upon request. You may request more information by calling the Utah Division of Water Resources at 801-538-7230.



**Figure 2-1** Hydrologic Basins of the State of Utah

## **2.2 Columbia River and West Desert Basin**

The Columbia River and West Desert Basin covers about 18,000 square miles of the western portion of Utah. Roughly three quarters of the Utah/Nevada state line form the western boundary of the basin in Utah. The crest of the Raft River Mountains coupled with the Utah/Idaho state line form the basin's northern boundary. Features such as the Promontory Mountains, Great Salt Lake, Oquirrh Mountains, Wah Wah Mountains, and smaller mountain ranges form the east and southeastern boundaries.

The basin spans all or part of nine counties in Utah: Beaver, Box Elder, Davis, Iron, Juab, Millard, Salt Lake, Tooele, and Weber. The area is characterized by small north/south trending mountain ranges separated by large areas of low-lying desert. The largest population centers are located in Tooele County, including the cities of Tooele and Grantsville.

### **2.2.1 Columbia River and West Desert Basin Municipal and Industrial Water Use**

The total combined M&I water use is 19,785 acre-feet (ac-ft) in the basin, the majority is potable water at 16,486 ac-ft, with the remaining 3,299 ac-ft being non-potable water. The majority of the non-potable water is used by self-supplied industries in Tooele County.

The total water delivered within public community water systems is 16,421 ac-ft or approximately 80 percent of the basin water use. The 19 public community water systems serve 56,410 people (about 95 percent of the 59,290 people within the basin). Figure 2-2 shows the locations of the public water systems within the basin. There are 19 public non-community water systems within the West Desert Basin. Table 2-1 is a summary of total water use in the basin.

### **2.2.2 Columbia River and West Desert Basin Public Community Systems - Source of Supply**

Table 2-2 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Columbia River and West Desert Basin by county and source.



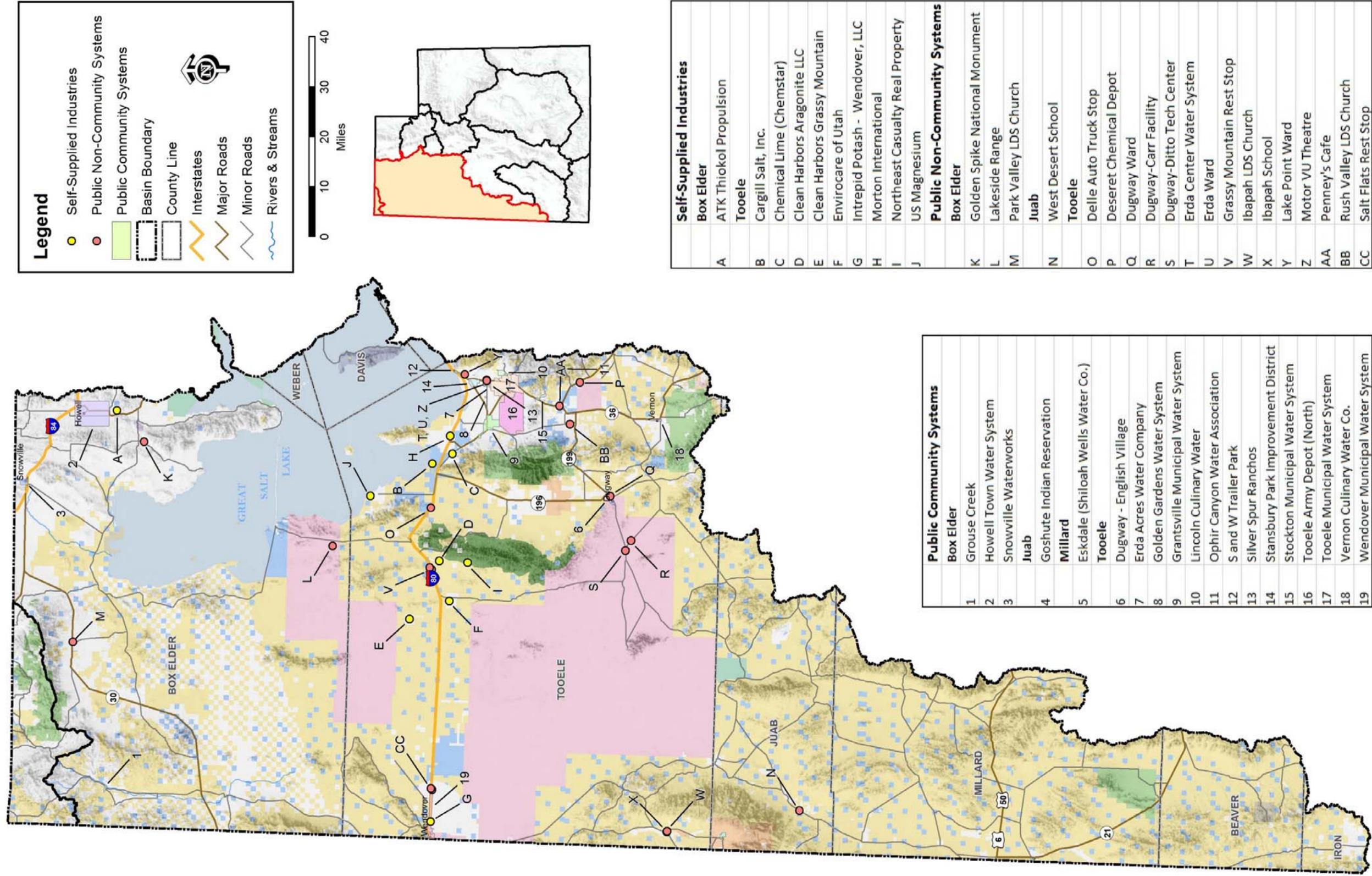


Figure 2-2 Columbia River and West Desert Basin Public Water Systems



**Table 2-1 Columbia River and West Desert Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	13,147.1	3,274.0	<b>16,421.1</b>
Public Non-Community	535.9	24.9	<b>560.8</b>
Self-Supplied Industries	2,219.6	0.0	<b>2,219.6</b>
Private Domestic	583.0	0.0	<b>583.0</b>
<b>Basin Totals</b>	<b>16,485.6</b>	<b>3,298.9</b>	<b>19,784.5</b>

**Table 2-2 Columbia River and West Desert Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Beaver	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
Box Elder	104.5	349.1	0.0	<b>453.6</b>	5.0	<b>458.6</b>
Juab	0.0	282.3	0.0	<b>282.3</b>	0.0	<b>282.3</b>
Millard	0.0	21.7	0.0	<b>21.7</b>	0.0	<b>21.7</b>
Tooele	1,865.8	18,235.2	0.0	<b>20,101.0</b>	3,269.0	<b>23,370.0</b>
<b>Basin Totals</b>	<b>1,970.3</b>	<b>18,888.4</b>	<b>0.0</b>	<b>20,858.7</b>	<b>3,274.0</b>	<b>24,132.7</b>

**2.2.3 Columbia River and West Desert Basin Public Community Systems - Water Use**

Table 2-3 shows the categorical total water use and per-capita water use rates for public community systems within the West Desert Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-3 Columbia River and West Desert Basin Total and Per Capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, Gallons per Capita per Day)

<b>County</b>	<b>Beaver</b>	<b>Box Elder</b>	<b>Juab</b>	<b>Millard</b>	<b>Tooele</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>							
Residential Indoor	0.0	37.8	10.0	4.0	3,806.6	<b>3,858.4</b>	<b>61</b>
Residential Outdoor	0.0	104.9	23.0	10.0	5,417.0	<b>5,554.9</b>	<b>88</b>
Commercial	0.0	30.1	0.0	0.3	1,311.7	<b>1,342.1</b>	<b>21</b>
Institutional	0.0	20.2	0.0	7.4	1,740.2	<b>1,767.8</b>	<b>28</b>
Industrial/Stockwatering	0.0	23.4	7.0	0.0	593.5	<b>623.9</b>	<b>10</b>
<b>Total Potable Use</b>	<b>0.0</b>	<b>216.4</b>	<b>40.0</b>	<b>21.7</b>	<b>12,869.00</b>	<b>13,147.1</b>	<b>208</b>
<b>Non-Potable Use</b>							
Residential	0.0	0.0	0.0	0.0	952.0	<b>952.0</b>	<b>15</b>
Commercial	0.0	0.0	0.0	0.0	300.0	<b>300.0</b>	<b>5</b>
Institutional	0.0	0.0	0.0	0.0	2,002.0	<b>2,002.0</b>	<b>32</b>
Industrial/Stockwatering	0.0	5.0	0.0	0.0	15.0	<b>20.0</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>0.0</b>	<b>5.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,269.0</b>	<b>3,274.0</b>	<b>52</b>
<b>Totals</b>	<b>0.0</b>	<b>221.4</b>	<b>40.0</b>	<b>21.7</b>	<b>16,138.0</b>	<b>16,421.1</b>	<b>260</b>

#### **2.2.4 Columbia River and West Desert Basin M&I Water Deliveries and Depletions**

Table 2-4 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-4 Columbia River and West Desert Basin M&I Deliveries and Depletions

## 2010 COLUMBIA RIVER AND WEST DESERT BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE (Acre-Foot/Year)

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type	
<b>BEAVER COUNTY</b>																						
None																						
<b>Total Community Systems</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Non-community Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s	
<b>COUNTY TOTALS</b>	<b>1.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.0</b>	<b>0.0</b>	<b>1.0</b>	<b>2.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.9</b>	<b>1.0</b>	<b>1.9</b>	<b>3.0</b>	<b>1.1</b>		

<b>BOX ELDER COUNTY</b>																						
Grouse Creek	3.20	13.80	0.10	3.00	11.20	31.3	5.0	15.1	21.2	3.1	0.1	0.6	0.0	3.8	0.0	3.6	10.6	14.2	36.3	22.1	s	
Howell Water System	16.80	59.90	0.00	5.20	12.20	94.1	0.0	30.0	64.1	16.5	0.0	1.0	0.0	17.5	0.0	16.6	32.0	48.6	94.1	45.5	s	
Snowville Waterworks	17.80	31.20	30.00	12.00	0.00	91.0	0.0	44.2	46.8	17.4	23.5	2.4	0.0	43.3	0.0	41.2	23.4	64.6	91.0	26.4	s	
<b>Total Community Systems</b>	<b>37.8</b>	<b>104.9</b>	<b>30.1</b>	<b>20.2</b>	<b>23.4</b>	<b>216.4</b>	<b>5.0</b>	<b>89.3</b>	<b>132.1</b>	<b>37.0</b>	<b>23.6</b>	<b>4.0</b>	<b>0.0</b>	<b>64.6</b>	<b>0.0</b>	<b>61.4</b>	<b>66.0</b>	<b>127.4</b>	<b>221.4</b>	<b>94.0</b>		
Non-community Systems	0.4	0.0	0.0	31.4	0.0	31.8	12.9	6.7	38.0	0.4	0.0	6.2	0.0	6.5	0.0	6.2	19.0	25.2	44.7	19.5	s	
Self Supplied Industries	0.0	0.0	0.0	0.0	656.6	656.6	0.0	656.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	656.6	656.6	s	
Private Domestic Systems	20.0	40.0	0.0	0.0	0.0	60.0	0.0	20.0	40.0	19.6	0.0	0.0	0.0	19.6	0.0	18.6	20.0	38.6	60.0	21.4	s	
<b>COUNTY TOTALS</b>	<b>58.2</b>	<b>144.9</b>	<b>30.1</b>	<b>51.6</b>	<b>680.0</b>	<b>964.8</b>	<b>17.9</b>	<b>772.6</b>	<b>210.1</b>	<b>57.0</b>	<b>23.6</b>	<b>10.1</b>	<b>0.0</b>	<b>90.7</b>	<b>0.0</b>	<b>86.2</b>	<b>105.1</b>	<b>191.3</b>	<b>982.7</b>	<b>791.4</b>		

<b>JUAB COUNTY</b>																						
Goshute Indian Reservation	10.00	23.00	0.00	0.00	7.00	40.0	0.0	17.0	23.0	9.8	0.0	0.0	0.0	9.8	0.0	9.3	11.5	20.8	40.0	19.2	s	
<b>Total Community Systems</b>	<b>10.0</b>	<b>23.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7.0</b>	<b>40.0</b>	<b>0.0</b>	<b>17.0</b>	<b>23.0</b>	<b>9.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.8</b>	<b>0.0</b>	<b>9.3</b>	<b>11.5</b>	<b>20.8</b>	<b>40.0</b>	<b>19.2</b>		
Non-community Systems	0.0	0.0	0.0	0.9	0.0	0.9	12.0	0.2	12.7	0.0	0.0	0.2	0.0	0.2	0.0	0.2	6.4	6.5	12.9	6.4	s	
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s	
Private Domestic Systems	4.0	6.0	0.0	0.0	0.0	10.0	0.0	4.0	6.0	3.9	0.0	0.0	0.0	3.9	0.0	3.7	3.0	6.7	10.0	3.3	s	
<b>COUNTY TOTALS</b>	<b>14.0</b>	<b>29.0</b>	<b>0.0</b>	<b>0.9</b>	<b>7.0</b>	<b>50.9</b>	<b>12.0</b>	<b>21.2</b>	<b>41.7</b>	<b>13.7</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>13.9</b>	<b>0.0</b>	<b>13.2</b>	<b>20.9</b>	<b>34.1</b>	<b>62.9</b>	<b>28.8</b>		

<b>MILLARD COUNTY</b>																						
Shiloah Wells Water Co.	4.00	10.00	0.30	7.40	0.00	21.7	0.0	5.7	16.0	3.9	0.2	1.5	0.0	5.6	0.1	5.4	8.0	13.4	21.7	8.3	p	
<b>Total Community Systems</b>	<b>4.0</b>	<b>10.0</b>	<b>0.3</b>	<b>7.4</b>	<b>0.0</b>	<b>21.7</b>	<b>0.0</b>	<b>5.7</b>	<b>16.0</b>	<b>3.9</b>	<b>0.2</b>	<b>1.5</b>	<b>0.0</b>	<b>5.6</b>	<b>0.1</b>	<b>5.4</b>	<b>8.0</b>	<b>13.4</b>	<b>21.7</b>	<b>8.3</b>		
Non-community Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s	
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s	
Private Domestic Systems	4.0	6.0	0.0	0.0	0.0	10.0	0.0	4.0	6.0	3.9	0.0	0.0	0.0	3.9	0.0	3.7	3.0	6.7	10.0	3.3	s	
<b>COUNTY TOTALS</b>	<b>8.0</b>	<b>16.0</b>	<b>0.3</b>	<b>7.4</b>	<b>0.0</b>	<b>31.7</b>	<b>0.0</b>	<b>9.7</b>	<b>22.0</b>	<b>7.8</b>	<b>0.2</b>	<b>1.5</b>	<b>0.0</b>	<b>9.5</b>	<b>0.1</b>	<b>9.1</b>	<b>11.0</b>	<b>20.1</b>	<b>31.7</b>	<b>11.6</b>		



**Table 2-4 Columbia River and West Desert Basin M&I Deliveries and Depletions**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type	
<b>TOOELE COUNTY</b>																						
Dugway - English Village	125.00	423.00	0.00	500.00	50.00	1,098.0	470.0	275.0	1,293.0	122.5	0.0	98.0	0.0	220.5	3,639.2	0.0	646.5	646.5	1,568.0	921.5	p	
Erda Acres Water Company	63.80	17.50	0.00	8.60	0.00	89.9	0.0	65.5	24.4	62.5	0.0	1.7	0.0	64.2	0.0	61.0	12.2	73.2	89.9	16.7	s	
Golden Garden Water System	5.40	16.00	0.00	3.00	1.50	25.9	0.0	7.5	18.4	5.3	0.0	0.6	0.0	5.9	0.0	5.6	9.2	14.8	25.9	11.1	s	
Grantsville Municipal Water System	638.50	232.00	583.40	44.70	0.00	1,498.6	712.0	1,114.2	1,096.4	625.7	457.4	8.8	0.0	1,091.9	2,269.7	0.0	548.2	548.2	2,210.6	1,662.4	p	
Lincoln Culinary Water	40.30	21.30	0.00	7.60	0.00	69.2	13.0	41.8	40.4	39.5	0.0	1.5	0.0	41.0	0.0	38.9	20.2	59.1	82.2	23.1	s	
Ophir Canyon Water Association	7.00	19.40	0.00	1.70	0.00	28.1	0.0	7.3	20.8	6.9	0.0	0.3	0.0	7.2	0.0	6.8	10.4	17.2	28.1	10.9	s	
S & W Trailer Park	4.70	1.10	0.30	0.00	0.20	6.3	0.0	5.1	1.2	4.6	0.2	0.0	0.0	4.8	790.2	0.0	0.6	0.6	6.3	5.7	p	
Silver Spur Ranchos	10.00	2.00	0.00	0.00	2.00	14.0	0.0	12.0	2.0	9.8	0.0	0.0	0.0	9.8	0.0	9.6	1.0	10.6	14.0	3.4	p	
Stansbury Improvement District	513.50	1,120.50	50.00	438.50	1.00	2,123.5	1,029.0	642.2	2,510.3	503.2	39.2	85.9	0.0	628.4	19,488.3	0.0	1,255.2	1,255.2	3,152.5	1,897.4	p	
Stockton Municipal Water System	140.00	210.00	2.00	15.00	5.00	372.0	0.0	149.6	222.4	137.2	1.6	2.9	0.0	141.7	0.0	138.9	111.2	250.1	372.0	121.9	p	
Tooele Army Depot	4.50	0.00	1.30	0.00	363.80	369.6	150.0	369.3	150.3	4.4	1.0	0.0	0.0	5.4	1,109.2	0.0	75.1	75.1	519.6	444.5	p	
Tooele Municipal Water System	2,125.10	3,331.40	550.30	656.50	125.10	6,788.4	875.0	2,821.7	4,841.7	2,082.6	431.4	128.7	0.0	2,642.7	21,059.5	0.0	2,420.8	2,420.8	7,663.4	5,242.6	p	
Vernon Culinary Water Co.	25.50	2.60	0.00	0.00	0.00	28.1	20.0	25.5	22.6	25.0	0.0	0.0	0.0	25.0	0.0	24.5	11.3	35.8	48.1	12.3	p	
Wendover Municipal Water System	103.30	20.20	124.40	64.60	44.90	357.4	0.0	260.6	96.8	101.2	97.5	12.7	0.0	211.4	0.0	207.2	48.4	255.6	357.4	101.8	p	
<b>Total Community Systems</b>	<b>3,806.6</b>	<b>5,417.0</b>	<b>1,311.7</b>	<b>1,740.2</b>	<b>593.5</b>	<b>12,869.0</b>	<b>3,269.0</b>	<b>5,797.5</b>	<b>10,340.5</b>	<b>3,730.5</b>	<b>1,028.4</b>	<b>341.1</b>	<b>0.0</b>	<b>5,099.9</b>	<b>48,356.0</b>	<b>492.5</b>	<b>5,170.3</b>	<b>5,662.8</b>	<b>16,138.0</b>	<b>10,475.2</b>		
Non-community Systems	2.0	0.0	232.6	268.4	0.2	503.2	0.0	242.0	261.2	2.0	182.4	52.6	0.0	236.9	0.0	225.1	130.6	355.7	503.2	147.5	s	
Self Supplied Industries	0.0	0.0	0.0	0.0	1,563.0	1,563.0	0.0	1,563.0	0.0	0.0	0.0	306.3	0.0	306.3	0.0	0.0	0.0	0.0	1,563.0	1,563.0		
Private Domestic Systems	200.0	300.0	0.0	0.0	0.0	500.0	0.0	200.0	300.0	196.0	0.0	0.0	0.0	196.0	0.0	186.2	150.0	336.2	500.0	163.8	s	
<b>COUNTY TOTALS</b>	<b>4,008.6</b>	<b>5,717.0</b>	<b>1,544.3</b>	<b>2,008.6</b>	<b>2,156.7</b>	<b>15,435.2</b>	<b>3,269.0</b>	<b>7,802.5</b>	<b>10,901.7</b>	<b>3,928.4</b>	<b>1,210.7</b>	<b>700.0</b>	<b>0.0</b>	<b>5,839.2</b>	<b>48,356.0</b>	<b>903.8</b>	<b>5,450.9</b>	<b>6,354.7</b>	<b>18,704.2</b>	<b>12,349.5</b>		

<b>Basin Community Systems</b>	<b>3,858.4</b>	<b>5,554.9</b>	<b>1,342.1</b>	<b>1,767.8</b>	<b>623.9</b>	<b>13,147.1</b>	<b>3,274.0</b>	<b>5,909.5</b>	<b>10,511.6</b>	<b>3,781.2</b>	<b>1,052.2</b>	<b>346.5</b>	<b>0.0</b>	<b>5,179.9</b>	<b>48,356.1</b>	<b>568.6</b>	<b>5,255.8</b>	<b>5,824.4</b>	<b>16,421.1</b>	<b>10,596.7</b>	
Total Non-community Systems	2.4	0.0	232.6	300.7	0.2	535.9	24.9	248.8	312.0	2.4	182.4	58.9	0.0	243.6	0.0	231.5	156.0	387.5	560.8	173.3	
Total Self Supplied Industries	0.0	0.0	0.0	0.0	2,219.6	2,219.6	0.0	2,219.6	0.0	0.0	0.0	306.3	0.0	306.3	0.0	0.0	0.0	0.0	2,219.6	2,219.6	
Total Private Domestic Systems	229.0	354.0	0.0	0.0	0.0	583.0	0.0	229.0	354.0	224.4	0.0	0.0	0.0	224.4	0.0	213.2	177.0	390.2	583.0	192.8	
<b>WEST/COLUMBIA BASIN TOTALS</b>	<b>4,089.8</b>	<b>5,908.9</b>	<b>1,574.7</b>	<b>2,068.5</b>	<b>2,843.7</b>	<b>16,485.6</b>	<b>3,298.9</b>	<b>8,607.0</b>	<b>11,177.5</b>	<b>4,008.0</b>	<b>1,234.6</b>	<b>711.8</b>	<b>0.0</b>	<b>5,954.3</b>	<b>48,356.1</b>	<b>1,013.2</b>	<b>5,588.8</b>	<b>6,602.0</b>	<b>19,784.5</b>	<b>13,182.5</b>	

**Color Code:**

<span style="background-color: #ffffcc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Potable Use Data	<span style="background-color: #ffcc99; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Return Flow Data
<span style="background-color: #ff9900; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Secondary Use Data	<span style="background-color: #ccffcc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Delivery Data
<span style="background-color: #ffff00; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Indoor/Outdoor Use Data	<span style="background-color: #99ccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Depletion Data

**Treatment Facility Key:**

t = Sewage Treatment Plant  
p = Facultative Ponds/Lagoons  
s = Septic Systems/Tanks



## 2.3 Bear River Basin

The Bear River Basin covers portions of three states: Idaho, Wyoming, and Utah. Utah's portion claims approximately 2,163,000 acres of the Bear River Basin. This portion of the basin is bordered on the north by the Utah/Idaho state line and on the east by the Utah/Wyoming state line.

The Bear River Basin encompasses all or part of four Utah counties: Box Elder, Cache, Rich, and Summit. The largest population centers are in Box Elder and Cache Counties, including the cities of Brigham City, Tremonton, Logan and Smithfield.

### 2.3.1 Bear River Basin Municipal and Industrial Water Use

Within the Bear River Basin of Utah, 53,944 ac-ft of water is used annually. The majority of the water used is potable water (43,471 ac-ft), with the remaining use being 10,473 ac-ft of non-potable water.

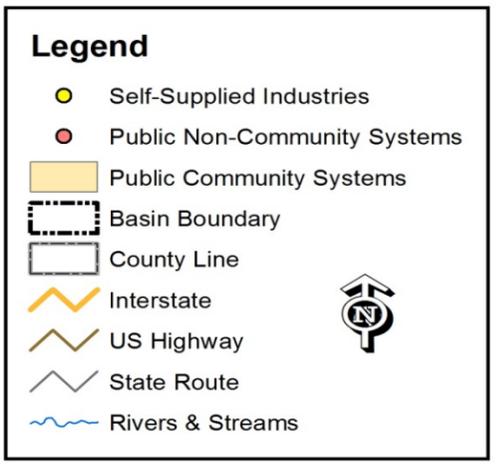
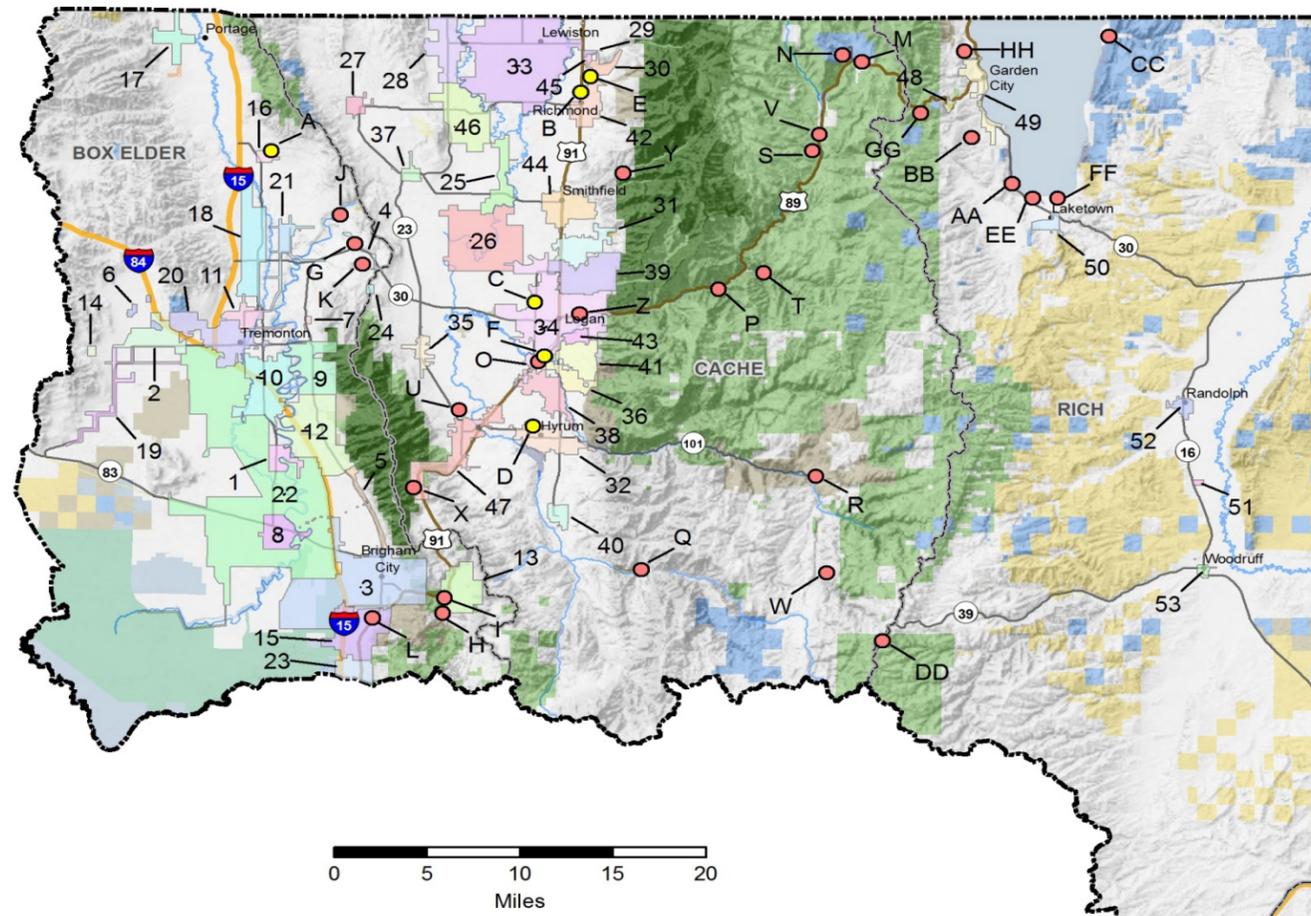
The Bear River Basin currently has 58 public community water systems. These systems serve about 156,930 people (164,080 total population within the basin). The basin also has 41 public non-community systems. Figure 2-3 shows the locations of the public water systems within the basin. Table 2-5 summarizes the water use in the basin of all water systems.

**Table 2-5 Bear River Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	39,374.5	9,859.0	<b>49,233.5</b>
Public Non-Community	1,036.5	614.3	<b>1,650.8</b>
Self-Supplied Industries	1,455.1	0.0	<b>1,455.1</b>
Private Domestic	1,605.0	0.0	<b>1,605.0</b>
<b>Basin Total</b>	<b>43,471.1</b>	<b>10,473.3</b>	<b>53,944.4</b>





Public Community Systems	
<b>Box Elder</b>	
1	ACME Water Company
2	Bothwell Town Water System
3	Brigham City Corp.
4	BRWCD - Beaver Dam
5	BRWCD - Harper Ward
6	BRWCD - Tremonton 2
7	Cedar Ridge Distribution, Inc.
8	Corinne City Corp.
9	Deweyville Town
10	Elwood Town
11	Garland City Corporation
12	Honeyville Town Water System
13	Mantua Town Water System
14	Marble Hills Subdivision
15	Perry City
16	Plymouth Town
17	Portage Municipal Water System
18	Riverside - North Garland Water Co.
19	Thatcher-Penrose Service District
20	Tremonton City Corp.
21	Ukon Water Co.
22	West Corinne Water Company
23	Willard City
24	Willow Creek Water Co.
<b>Cache</b>	
25	Amalga Town Culinary Water System
26	Benson Water Culinary District
27	Clarkston Town Culinary Water
28	Cornish Town Water
29	Goasland Spring Water Works Co.
30	High Creek Culinary Water System
31	Hyde Park City
32	Hyrum City
33	Lewiston City
34	Logan City
35	Mendon City Culinary Water System
36	Millville City Water
37	Newton Town Water
38	Nibley City
39	North Logan Water
40	Paradise Town
41	Providence Town Water System
42	Richmond City Corp.
43	River Heights City
44	Smithfield City
45	South Cove Water Works Co., Inc.
46	Trenton Town Corp. Water
47	Wellsville City Corp.
<b>Rich</b>	
48	Bridgerland Village Water Co.
49	Garden City Water Systems
50	Laketown
51	Mountain Meadow Park ID
52	Randolph Town Water System
53	Woodruff Town Water System

Self-Supplied Industries	
<b>Box Elder</b>	
A	Nucor Steel Utah
<b>Cache</b>	
B	Casper's Ice Cream
C	Gossner Foods, Inc
D	JB Swift & Co.
E	Pepperidge Farm
F	Zollinger Warehouse
<b>Public Non-Community Systems</b>	
<b>Box Elder</b>	
G	Beaver Dam Church
H	Bel Mia Girls Camp
I	Box Elder Campground
J	Doug Fife Scout Camp
K	Early Park
L	Maddox Restaurant
<b>Cache</b>	
M	Beaver Creek Lodge
N	Beaver Mountain Winter Sports
O	Buttars Tractor
P	Card Campground/Picnic Area
Q	Cinnamon Creek B Area
R	Hardware Ranch
S	Lewis M. Turner Campground
T	Lodge Campground/Lomia LDS Girls Camp
U	Maple Rise Campground
V	Red Banks Campground
W	Sheep Creek Cove
X	Sherwoods Hills Resort
Y	Smithfield Canyon Campground
Z	Utah State University
<b>Rich</b>	
AA	Bear Lake Rest Area
BB	Bear Lake Water Company
CC	Edge of Eden Subdivision
DD	Monte Cristo Campground
EE	Rendezvous Beach State Park
FF	South Bear Lake
GG	Sunrise Campground
HH	Swan Creek Village
<b>Summit</b>	
II	Bear River Campground
JJ	Bear River Lodge
KK	Camp Evergreen
LL	Camp Frontier
MM	Camp Tomahawk
NN	Carter Creek (HAFB Retreat)
OO	Christmas Meadows Cabins
PP	Christmas Meadows Campground
QQ	East Fork Bear River Campground
RR	Hayden Fork Campground
SS	Manorland Water District
TT	Sulphur Campground
UU	Uintalands Association

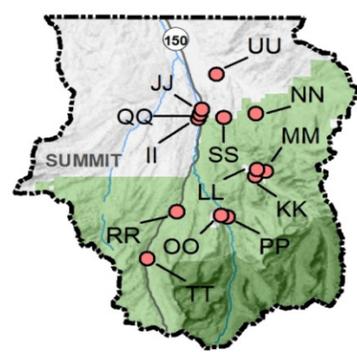


Figure 2-3 Bear River Basin Public Water Systems



### 2.3.2 Bear River Basin Public Community Systems - Source of Supply

Table 2-6 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Bear River Basin, by county and by source.

**Table 2-6 Bear River Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

<b>County</b>	<b>Springs</b>	<b>Wells</b>	<b>Surface</b>	<b>Potable Total</b>	<b>Non-Potable</b>	<b>Total</b>
Box Elder	9,183.5	20,293.0	0.0	<b>29,476.5</b>	2,773.5	<b>32,250.0</b>
Cache	15,115.0	39,471.0	0.0	<b>54,586.0</b>	7,036.5	<b>61,622.5</b>
Rich	2,501.0	1,130.0	0.0	<b>3,631.0</b>	49.0	<b>3,680.0</b>
Summit	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
<b>Basin Totals</b>	<b>26,799.5</b>	<b>60,864.0</b>	<b>0.0</b>	<b>87,693.5</b>	<b>9,859.0</b>	<b>97,552.5</b>

### 2.3.3 Bear River Basin Public Community Systems - Water Use

Table 2-7 shows the total water use and per-capita water use rates for public community systems within the Bear River Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-7 Bear River Basin Total and Per Capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, Gallons per Capita per Day)

<b>County</b>	<b>Box Elder</b>	<b>Cache</b>	<b>Rich</b>	<b>Summit</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>						
Residential Indoor	3,268.2	7,302.7	137.8	0.0	<b>10,708.7</b>	<b>61</b>
Residential Outdoor	5,686.7	8,520.0	1,097.1	0.0	<b>15,303.8</b>	<b>87</b>
Commercial	1,062.3	4,376.1	525.0	0.0	<b>5,963.4</b>	<b>34</b>
Institutional	786.1	1,838.9	160.3	0.0	<b>2,785.3</b>	<b>16</b>
Industrial/Stockwatering	955.4	3,638.8	19.1	0.0	<b>4,613.3</b>	<b>26</b>
<b>Total Potable Use</b>	<b>11,758.7</b>	<b>25,676.5</b>	<b>1,939.3</b>	<b>0.0</b>	<b>39,374.5</b>	<b>224</b>
<b>Non-Potable Use</b>						
Residential	1,378.5	4,489.5	21.0	0.0	<b>5,889.0</b>	<b>34</b>
Commercial	54.0	600.0	0.0	0.0	<b>654.0</b>	<b>4</b>
Institutional	1,341.0	1,947.0	28.0	0.0	<b>3,316.0</b>	<b>19</b>
Industrial/Stockwatering	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>2,773.5</b>	<b>7,036.5</b>	<b>49.0</b>	<b>0.0</b>	<b>9,859.0</b>	<b>56</b>
<b>Basin Total Water Use</b>	<b>14,532.2</b>	<b>32,713.0</b>	<b>1,988.3</b>	<b>0.0</b>	<b>49,233.5</b>	<b>280</b>

### 2.3.4 Bear River Basin M&I Water Deliveries and Depletions

Table 2-8 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-8 Bear River Basin M&I Deliveries and Depletions

**2010 BEAR RIVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
**(Acre-Feet/Year)**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>Box Elder County</b>																					
ACME Water Co. (Bear River City)	58.8	100.1	6.9	3.0	10.0	178.8	50.0	74.9	153.9	57.6	5.4	0.6	0.0	63.6	18.7	43.7	76.9	120.6	228.8	108.2	pd
Bear River WCD - Beaver Dam Development	4.8	14.5	0.0	0.0	0.0	19.3	0.0	4.8	14.5	4.7	0.0	0.0	0.0	4.7	0.0	4.5	7.3	11.7	19.3	7.6	s
Bear River WCD - Harper Ward Retail	16.4	36.9	2.1	0.0	0.0	55.4	0.0	18.1	37.3	16.1	1.6	0.0	0.0	17.7	0.0	16.8	18.7	35.5	55.4	19.9	s
Bear River WCD - South Willard Water Co.	90.2	41.8	5.0	0.0	0.0	137.0	80.0	94.2	122.8	88.4	3.9	0.0	0.0	92.3	0.0	87.7	61.4	149.1	217.0	67.9	s
Bear River WCD - Tremonton 2	8.2	23.1	0.0	0.0	0.0	31.3	2.0	8.2	25.1	8.0	0.0	0.0	0.0	8.0	0.0	7.6	12.6	20.2	33.3	13.1	s
Bothwell Town Water System	27.3	26.5	0.0	2.0	5.0	60.8	46.5	32.7	74.6	26.8	0.0	0.4	0.0	27.1	0.0	25.8	37.3	63.1	107.3	44.2	s
Riverside-North Garland Water Co.	95.7	144.0	15.0	0.5	40.0	295.2	114.0	147.8	261.4	93.8	11.8	0.1	0.0	105.6	0.0	103.5	130.7	234.2	409.2	175.0	t
Thatcher-Penrose Service District	47.8	145.2	2.0	10.0	5.0	210.0	27.0	56.4	180.6	46.8	1.6	2.0	0.0	50.4	0.0	47.9	90.3	138.2	237.0	98.8	s
Tremonton City Corp.	512.5	630.8	315.9	119.4	659.9	2,238.5	440.0	1,449.0	1,229.5	502.3	247.7	23.4	0.0	773.3	0.0	734.7	614.8	1,349.4	2,678.5	1,329.1	s
Ukon Water Co.	75.2	75.0	0.0	5.0	20.0	175.2	180.0	96.2	259.0	73.7	0.0	1.0	0.0	74.7	0.0	70.9	129.5	200.4	355.2	154.8	s
Brigham City Corp.	1,223.1	2,925.0	525.2	262.5	87.5	5,023.3	900.0	1,783.3	4,140.0	1,198.6	411.8	51.5	0.0	1,661.8	0.0	1,628.6	2,070.0	3,698.6	5,923.3	2,224.7	t
Cedar Ridge Distribution, Inc.	7.5	12.0	0.4	0.0	0.0	19.9	0.0	7.8	12.1	7.4	0.3	0.0	0.0	7.7	0.0	7.3	6.0	13.3	19.9	6.6	s
Coleman Mobile Home Park	4.7	0.0	0.0	0.0	0.0	4.7	9.0	4.7	9.0	4.6	0.0	0.0	0.0	4.6	0.0	4.4	4.5	8.9	13.7	4.8	s
Corinne City	47.8	56.7	2.5	10.0	10.0	127.0	70.0	61.8	135.2	46.8	2.0	2.0	0.0	50.8	18.7	31.1	67.6	98.7	197.0	98.3	pd
Deweyville Town	22.5	42.0	36.0	0.1	0.7	101.3	35.0	52.0	84.3	22.1	28.2	0.0	0.0	50.3	0.0	47.8	42.1	89.9	136.3	46.4	s
Elwood Town	71.7	106.6	9.9	16.8	12.0	217.0	20.0	95.0	142.0	70.3	7.8	3.3	0.0	81.3	0.0	77.3	71.0	148.3	237.0	88.7	s
Five C's Trailer Court	4.7	3.0	0.0	0.0	0.0	7.7	0.0	4.7	3.0	4.6	0.0	0.0	0.0	4.6	0.0	4.4	1.5	5.9	7.7	1.8	s
Garland City Corp.	165.4	220.4	18.0	198.4	6.2	608.4	30.0	225.7	412.7	162.1	14.1	38.9	0.0	215.1	0.0	210.8	206.4	417.1	638.4	221.3	t
Honeyville Town Water System	98.4	114.4	20.0	20.0	5.0	257.8	78.0	123.4	212.4	96.4	15.7	3.9	0.0	116.0	0.0	110.2	106.2	216.4	335.8	119.4	s
Hot Springs Trailer Court	7.8	5.0	0.0	0.0	0.0	12.8	1.0	7.8	6.0	7.6	0.0	0.0	0.0	7.6	0.0	7.3	3.0	10.3	13.8	3.5	s
Howell Town Water System	17.1	22.5	3.1	6.0	23.2	71.9	0.0	44.0	27.9	16.8	2.4	1.2	0.0	20.4	0.0	19.3	14.0	33.3	71.9	38.6	s
Mantua Town Water System	47.1	127.9	3.0	31.0	0.0	209.0	64.0	55.7	217.3	46.2	2.4	6.1	0.0	54.6	0.0	53.5	108.7	162.1	273.0	110.9	t
Marble Hills Subdivision	18.4	35.9	0.0	0.0	0.0	54.3	0.0	18.4	35.9	18.0	0.0	0.0	0.0	18.0	0.0	17.1	18.0	35.1	54.3	19.2	s
Perry City	308.8	197.6	55.2	9.2	0.0	570.8	500.0	354.8	716.0	302.6	43.3	1.8	0.0	347.7	20.9	319.8	358.0	677.8	1,070.8	393.0	pd
Plymouth Town	28.0	75.0	1.0	10.0	7.0	121.0	0.0	37.8	83.2	27.4	0.8	2.0	0.0	30.2	0.0	28.7	41.6	70.3	121.0	50.7	s
Town of Portage	15.7	10.0	0.0	10.0	0.0	35.7	60.0	17.7	78.0	15.4	0.0	2.0	0.0	17.3	0.0	16.5	39.0	55.5	95.7	40.2	s
West Corinne Water Co.	116.2	193.8	10.0	10.0	63.4	393.4	27.0	189.6	230.8	113.9	7.8	2.0	0.0	123.7	37.4	83.8	115.4	199.2	420.4	221.2	p
Willard City	119.6	281.0	31.1	62.2	0.5	494.4	40.0	157.4	377.0	117.2	24.4	12.2	0.0	153.8	37.4	113.3	188.5	301.8	534.4	232.6	p
Willow Creek Water Co.	6.8	20.0	0.0	0.0	0.0	26.8	0.0	6.8	20.0	6.7	0.0	0.0	0.0	6.7	0.0	6.3	10.0	16.3	26.8	10.5	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>3,268.2</b>	<b>5,686.7</b>	<b>1,062.3</b>	<b>786.1</b>	<b>955.4</b>	<b>11,758.7</b>	<b>2,773.5</b>	<b>5,230.7</b>	<b>9,301.5</b>	<b>3,202.8</b>	<b>832.8</b>	<b>154.1</b>	<b>0.0</b>	<b>4,189.8</b>	<b>133.1</b>	<b>3,930.5</b>	<b>4,650.8</b>	<b>8,581.2</b>	<b>14,532.2</b>	<b>5,951.0</b>	
Non-community Systems	2.0	0.0	20.0	9.5	0.0	31.5	53.3	19.9	64.9	2.0	15.7	1.9	0.0	19.5	0.0	18.5	32.5	51.0	84.8	33.8	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	656.6	656.6	0.0	656.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	656.6	656.6	p



**Table 2-8 Bear River Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Private Domestic Systems	100.0	150.0	0.0	0.0	0.0	250.0	0.0	100.0	150.0	98.0	0.0	0.0	0.0	98.0	0.0	93.1	75.0	168.1	250.0	81.9	s
<b>COUNTY TOTALS</b>	<b>3,370.2</b>	<b>5,836.7</b>	<b>1,082.3</b>	<b>795.6</b>	<b>1,612.0</b>	<b>12,696.8</b>	<b>2,826.8</b>	<b>6,007.2</b>	<b>9,516.4</b>	<b>3,302.8</b>	<b>848.5</b>	<b>155.9</b>	<b>0.0</b>	<b>4,307.3</b>	<b>133.1</b>	<b>4,042.1</b>	<b>4,758.2</b>	<b>8,800.3</b>	<b>15,523.6</b>	<b>6,723.3</b>	

<b>Cache County</b>																					
Amalga Town Culinary Water System	36.2	253.8	0.0	1.5	369.6	661.1	5.0	406.1	260.0	35.5	0.0	0.3	0.0	35.8	0.0	34.0	130.0	164.0	666.1	502.1	s
Benson Water Culinary District	51.2	56.0	12.2	0.5	49.5	169.4	50.0	110.6	108.8	50.2	9.6	0.1	0.0	59.8	38.9	19.7	54.4	74.2	219.4	145.2	p
Clarkston Town Culinary Water	49.8	82.5	0.4	28.0	50.0	210.7	82.5	105.7	187.5	48.8	0.3	5.5	0.0	54.6	0.0	51.9	93.7	145.6	293.2	147.6	s
Cornish Town Water	19.8	13.1	4.3	31.1	24.0	92.3	44.0	53.5	82.8	19.4	3.4	6.1	0.0	28.9	29.2	0.0	41.4	41.4	136.3	94.9	p
Goaslind Spring Water Works Co.	4.1	2.0	0.0	0.0	0.0	6.1	12.0	4.1	14.0	4.0	0.0	0.0	0.0	4.0	0.0	3.8	7.0	10.8	18.1	7.3	s
High Creek Culinary Water System	8.9	37.0	1.0	0.0	2.0	48.9	2.0	11.7	39.2	8.7	0.8	0.0	0.0	9.5	0.0	9.0	19.6	28.6	50.9	22.3	s
Hyde Park City	261.7	411.2	28.7	8.2	1.7	711.5	340.0	288.0	763.5	256.5	22.5	1.6	0.0	280.6	19.6	255.3	381.8	637.1	1,051.5	414.4	pd
Hyrum City	500.0	10.9	1,250.7	160.0	2,356.5	4,278.1	1,400.0	3,889.1	1,789.0	490.0	980.5	31.4	0.0	1,501.9	0.0	1,471.9	894.5	2,366.4	5,678.1	3,311.7	t
Lewiston City	120.9	172.6	6.1	20.0	391.7	711.3	96.0	521.5	285.8	118.5	4.8	3.9	0.0	127.2	0.0	120.8	142.9	263.7	807.3	543.6	s
Logan City	3,279.8	2,532.4	2,358.0	630.0	157.0	8,957.2	1,820.0	5,449.2	5,328.0	3,214.2	1,848.7	123.5	0.0	5,186.4	274.8	4,807.9	2,664.0	7,471.9	10,777.2	3,305.3	pd
Mendon City Culinary Water System	92.2	58.8	1.9	16.7	1.6	171.2	190.0	98.7	262.5	90.4	1.5	3.3	0.0	95.1	19.6	73.6	131.3	204.9	361.2	156.3	p
Millville City Water	129.8	277.9	0.3	26.6	8.9	443.5	54.0	144.3	353.2	127.2	0.2	5.2	0.0	132.7	0.0	126.0	176.6	302.6	497.5	194.9	s
Newton Town Water	54.7	89.0	55.0	10.0	10.0	218.7	187.0	110.7	295.0	53.6	43.1	2.0	0.0	98.7	0.0	93.8	147.5	241.3	405.7	164.4	s
Nibley City	369.0	284.1	26.7	132.3	23.5	835.6	300.0	440.3	695.3	361.6	20.9	25.9	0.0	408.5	0.0	400.3	347.6	748.0	1,135.6	387.6	t
North Logan Water	563.7	432.0	290.6	134.4	14.1	1,434.8	235.0	837.2	832.6	552.4	227.8	26.3	0.0	806.6	0.0	790.5	416.3	1,206.8	1,669.8	463.0	t
Paradise Town Water System	61.5	43.0	0.4	1.6	4.2	110.7	290.0	66.3	334.4	60.3	0.3	0.3	0.0	60.9	0.0	57.9	167.2	225.0	400.7	175.7	s
Providence City	478.3	1,262.7	96.2	231.1	0.9	2,069.2	100.0	602.4	1,566.8	468.7	75.4	45.3	0.0	589.5	0.0	577.7	783.4	1,361.1	2,169.2	808.1	t
Richmond City Corp.	168.8	255.4	7.4	218.2	49.8	699.6	300.0	268.2	731.4	165.4	5.8	42.8	0.0	214.0	0.0	209.7	365.7	575.4	999.6	424.2	t
River Heights City	131.9	362.6	0.0	21.6	0.0	516.1	34.0	136.2	413.9	129.3	0.0	4.2	0.0	133.5	0.0	130.8	206.9	337.8	550.1	212.3	t
Smithfield City	649.1	756.9	160.4	82.2	36.6	1,685.2	1,405.0	830.5	2,259.7	636.1	125.8	16.1	0.0	778.0	0.0	762.4	1,129.9	1,892.3	3,090.2	1,197.9	t
South Cove Water Works Co. Inc.	4.8	1.7	0.0	0.4	0.0	6.9	22.0	4.9	24.0	4.7	0.0	0.1	0.0	4.8	0.0	4.5	12.0	16.6	28.9	12.3	s
Trenton Town Corp. Water	34.2	39.0	5.6	14.5	71.9	165.2	48.0	113.5	99.7	33.5	4.4	2.8	0.0	40.7	0.0	38.7	49.9	88.6	213.2	124.6	s
Wellsville City Corp.	232.3	1,085.4	70.2	70.0	15.3	1,473.2	20.0	317.8	1,175.4	227.7	55.0	13.7	0.0	296.4	0.0	290.5	587.7	878.2	1,493.2	615.0	t
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>7,302.7</b>	<b>8,520.0</b>	<b>4,376.1</b>	<b>1,838.9</b>	<b>3,638.8</b>	<b>25,676.5</b>	<b>7,036.5</b>	<b>14,810.2</b>	<b>17,902.8</b>	<b>7,156.6</b>	<b>3,430.9</b>	<b>360.4</b>	<b>0.0</b>	<b>10,947.9</b>	<b>382.1</b>	<b>10,330.7</b>	<b>8,951.4</b>	<b>19,282.1</b>	<b>32,713.0</b>	<b>13,430.9</b>	
Non-community systems	7.2	0.0	175.8	479.2	0.0	662.2	323.0	243.7	741.5	7.1	137.8	93.9	0.0	238.8	0.0	226.9	370.8	597.6	985.2	387.6	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	798.5	798.5	0.0	798.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	798.5	798.5	p
Private Domestic Systems	480.0	720.0	0.0	0.0	0.0	1,200.0	0.0	480.0	720.0	470.4	0.0	0.0	0.0	470.4	0.0	446.9	360.0	806.9	1,200.0	393.1	s
<b>COUNTY TOTALS</b>	<b>7,789.9</b>	<b>9,240.0</b>	<b>4,551.9</b>	<b>2,318.1</b>	<b>4,437.3</b>	<b>28,337.2</b>	<b>7,359.5</b>	<b>16,332.3</b>	<b>19,364.4</b>	<b>7,634.1</b>	<b>3,568.7</b>	<b>454.3</b>	<b>0.0</b>	<b>11,657.1</b>	<b>382.1</b>	<b>11,004.5</b>	<b>9,682.2</b>	<b>20,686.6</b>	<b>35,696.7</b>	<b>15,010.1</b>	



**Table 2-8 Bear River Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return low	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>Rich County</b>																					
Bridgerland Village Water Co.	13.4	3.4	0.0	0.0	0.0	16.8	0.0	13.4	3.4	13.1	0.0	0.0	0.0	13.1	0.0	12.5	1.7	14.2	16.8	2.6	s
Garden City	43.0	844.2	491.4	7.7	0.0	1,386.3	3.0	437.7	951.6	42.1	385.3	1.5	0.0	428.9	0.0	420.3	475.8	896.1	1,389.3	493.2	t
Laketown	18.8	120.8	27.6	43.0	14.1	224.3	6.0	63.6	166.7	18.4	21.6	8.4	0.0	48.5	0.0	47.5	83.4	130.9	230.3	99.4	t
Mountain Meadow Improvement District	15.1	7.5	0.0	4.6	0.0	27.2	0.0	16.0	11.2	14.8	0.0	0.9	0.0	15.7	0.0	14.9	5.6	20.5	27.2	6.7	s
Randolph Town Water System	35.5	93.5	5.0	100.0	5.0	239.0	26.0	64.5	200.5	34.8	3.9	19.6	0.0	58.3	0.0	55.4	100.3	155.6	265.0	109.4	s
Woodruff Town Water System	12.0	27.7	1.0	5.0	0.0	45.7	14.0	13.8	45.9	11.8	0.8	1.0	0.0	13.5	0.0	12.8	23.0	35.8	59.7	23.9	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>137.8</b>	<b>1,097.1</b>	<b>525.0</b>	<b>160.3</b>	<b>19.1</b>	<b>1,939.3</b>	<b>49.0</b>	<b>609.0</b>	<b>1,379.3</b>	<b>135.0</b>	<b>411.6</b>	<b>31.4</b>	<b>0.0</b>	<b>578.1</b>	<b>0.0</b>	<b>563.5</b>	<b>689.7</b>	<b>1,253.2</b>	<b>1,988.3</b>	<b>735.1</b>	

Non-community Systems	228.8	0.0	0.0	49.3	0.0	278.1	138.0	238.7	177.4	224.2	0.0	9.7	0.0	233.9	0.0	222.2	88.7	310.9	416.1	105.2	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	p
Private Domestic Systems	60.0	90.0	0.0	0.0	0.0	150.0	0.0	60.0	90.0	58.8	0.0	0.0	0.0	58.8	0.0	55.9	45.0	100.9	150.0	49.1	s
<b>COUNTY TOTALS</b>	<b>426.6</b>	<b>1,187.1</b>	<b>525.0</b>	<b>209.6</b>	<b>19.1</b>	<b>2,367.4</b>	<b>187.0</b>	<b>907.6</b>	<b>1,646.8</b>	<b>418.1</b>	<b>411.6</b>	<b>41.1</b>	<b>0.0</b>	<b>870.7</b>	<b>0.0</b>	<b>841.5</b>	<b>823.4</b>	<b>1,664.9</b>	<b>2,554.4</b>	<b>889.5</b>	

<b>Summit County</b>																					
None	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Non-community Systems	48.6	0.0	1.5	14.6	0.0	64.7	100.0	52.7	112.0	47.6	1.2	2.9	0.0	51.7	0.0	49.1	56.0	105.1	164.7	59.6	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	p
Private Domestic Systems	2.0	3.0	0.0	0.0	0.0	5.0	0.0	2.0	3.0	2.0	0.0	0.0	0.0	2.0	0.0	1.9	1.5	3.4	5.0	1.6	s
<b>COUNTY TOTALS</b>	<b>50.6</b>	<b>3.0</b>	<b>1.5</b>	<b>14.6</b>	<b>0.0</b>	<b>69.7</b>	<b>100.0</b>	<b>54.7</b>	<b>115.0</b>	<b>49.6</b>	<b>1.2</b>	<b>2.9</b>	<b>0.0</b>	<b>53.6</b>	<b>0.0</b>	<b>50.9</b>	<b>57.5</b>	<b>108.4</b>	<b>169.7</b>	<b>61.3</b>	

<b>BASIN COMMUNITY SYSTEMS</b>	<b>10,708.7</b>	<b>15,303.8</b>	<b>5,963.4</b>	<b>2,785.3</b>	<b>4,613.3</b>	<b>39,374.5</b>	<b>9,859.0</b>	<b>20,649.8</b>	<b>28,583.7</b>	<b>10,494.5</b>	<b>4,675.3</b>	<b>545.9</b>	<b>0.0</b>	<b>15,715.8</b>	<b>515.2</b>	<b>14,824.7</b>	<b>14,291.9</b>	<b>29,116.5</b>	<b>49,233.5</b>	<b>20,117.0</b>	
Total Non-Community Systems	286.6	0.0	197.3	552.6	0.0	1,036.5	614.3	555.0	1,095.8	280.9	154.7	108.3	0.0	543.9	0.0	516.7	547.9	1,064.6	1,650.8	586.2	
Self-Supplied Industries	0.0	0.0	0.0	0.0	1,455.1	1,455.1	0.0	1,455.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,455.1	1,455.1	
Private Domestic Systems	642.0	963.0	0.0	0.0	0.0	1,605.0	0.0	642.0	963.0	629.2	0.0	0.0	0.0	629.2	0.0	597.7	481.5	1,079.2	1,605.0	525.8	
<b>BEAR BASIN TOTALS</b>	<b>11,637.3</b>	<b>16,266.8</b>	<b>6,160.7</b>	<b>3,337.9</b>	<b>6,068.4</b>	<b>43,471.1</b>	<b>10,473.3</b>	<b>23,301.8</b>	<b>30,642.6</b>	<b>11,404.6</b>	<b>4,830.0</b>	<b>654.2</b>	<b>0.0</b>	<b>16,888.8</b>	<b>515.2</b>	<b>15,939.0</b>	<b>15,321.3</b>	<b>31,260.3</b>	<b>53,944.4</b>	<b>22,684.1</b>	

**Color Code:**

Light Yellow	Potable Use Data
Orange	Secondary Use Data
Yellow	Indoor/Outdoor Use Data

Light Orange	Return Flow Data
Light Green	Delivery Data
Light Blue	Depletion Data

**Treatment Facility Key:**

t = Sewage Treatment Plant  
 p = Facultative Ponds/Lagoons  
 s = Septic Systems/Tanks  
 pd- Flow Through Lagoons



## **2.4 Weber River Basin**

The Weber River Basin encompasses about 2,400 square miles in northern Utah. Within the basin the Wasatch Mountains run from the southern to northern boundaries, rising in places to over 11,000 feet above sea level. The southern boundary is the Salt Lake and Wasatch County borders, while the northern boundary follows the borders of Weber, Morgan, and Summit counties. The basin extends from the Great Salt Lake at its western edge to the Uinta Mountains in the east, spanning all or part of four counties: Morgan, Summit, Weber, and Davis.

The Weber River Basin is continuing to experience rapid growth. Agricultural land is being replaced by new residential areas, causing water to be moved from agricultural to municipal use. Davis County is rapidly urbanizing, particularly in the areas adjacent to the Salt Lake City metropolitan area. Additionally, the Park City area has recently seen population growth rates nearly double the basin and/or state average. The largest population centers are in Davis and Weber Counties, including the cities of Layton, Bountiful, Clearfield, Ogden, and Roy.

### **2.4.1 Weber River Basin Municipal and Industrial Water Use**

The total annual combined water use in the basin is 177,362 ac-ft, of which 101,109 ac-ft is potable water, with the remainder being non-potable water at 76,253 ac-ft. With urbanization, non-potable water is now being utilized for irrigation of parks, golf courses, and residential landscaping instead of pasture and farmland. The Weber River Basin has the largest use of non-potable water for residential outdoor irrigation in the state. Additionally, there are also self-supplied industries that utilize non-potable water.

The Weber River Basin currently has 78 public community water systems. These systems serve approximately 580,130 people (about 99 percent of total population within the basin). Figure 2-4 shows the location of the public community water systems within the basin. The basin also has over 59 public non-community systems serving self-supplied industries, ski resorts, forest service campgrounds and picnic areas, as well as summer home subdivisions. Table 2-9 summarizes the overall water use in the basin.

**Table 2-9 Weber River Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	93,982.4	68,018.3	<b>162,000.7</b>
Public Non-Community	525.5	1,265.1	<b>1,790.6</b>
Self-Supplied Industries	6,160.7	6,970.1	<b>13,130.8</b>
Private Domestic	440.0	0.0	<b>440.0</b>
<b>Basin Total</b>	<b>101,108.6</b>	<b>76,253.5</b>	<b>177,362.1</b>

**2.4.2 Weber River Basin Public Community Systems - Source of Supply**

Table 2-10 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Weber River Basin by county and source.

**Table 2-10 Weber River Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

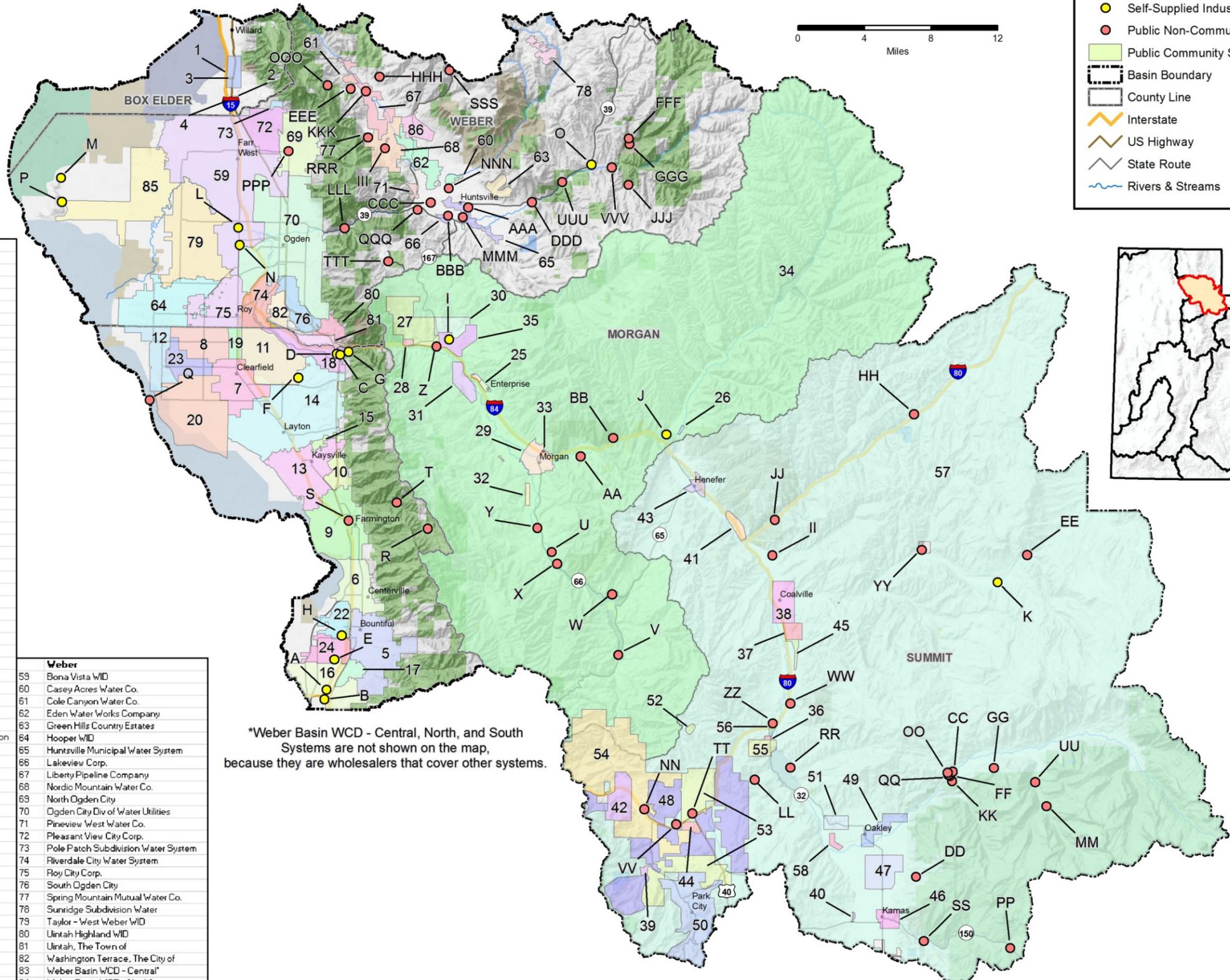
County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Davis	119.0	42,668.0	6,900.0	<b>49,687.0</b>	36,227.3	<b>85,914.3</b>
Morgan	560.5	807.0	3,000.0	<b>4,367.5</b>	1,015.0	<b>5,382.5</b>
Summit	2,708.0	10,438.0	11,822.0	<b>24,968.0</b>	2,740.0	<b>27,708.0</b>
Weber	4,460.8	52,851.0	38,639.0	<b>95,950.8</b>	28,036.0	<b>123,986.8</b>
<b>Basin Totals</b>	<b>7,848.3</b>	<b>106,764.0</b>	<b>60,361.0</b>	<b>174,973.3</b>	<b>68,018.3</b>	<b>242,991.6</b>

**2.4.3 Weber River Basin Public Community Systems - Water Use**

Residential water use accounts for the major use of water within the public community water systems of the Weber River Basin. The majority of water used within these public community systems is non-potable water for outdoor irrigation and supplied by Weber Basin Water Conservancy District (WBWCD) and other entities. More expensive potable water is reserved for indoor use.

Self-Supplied Industries	
<b>Davis</b>	
A	Big West Oil
B	Chevron, USA
C	Geneva Rock
D	Parsons
E	Silver Eagle Refining
F	Wasatch Energy Systems
G	Weber Basin Job Corps
H	Wood Cross Refining Co.
<b>Morgan</b>	
I	Browning Arms
J	Holcim (US)
<b>Summit</b>	
K	Citation Oil Co.
<b>Weber</b>	
L	Granite Construction
M	Great Salt Lake Minerals
N	Jack B. Parson Co.
O	Red Rock Cafe & Outfitters
P	Western Zirconium
Public Non-Community Systems	
<b>Davis</b>	
Q	Antelope Island North
R	Bountiful Peak Campground
S	Lagoon Corporation
T	Sunset Campground
<b>Morgan</b>	
U	Camp Zarahemia
V	East Canyon Resort
W	East Canyon State Park
X	LDS Stake Camp Woodland
Y	Morgan 5th & 6th Wards
Z	Mountain Green Hwy RS
AA	Round Valley County Club
BB	Taggarts Cafe
<b>Summit</b>	
CC	Aspen Mountain Water Company
DD	Camp Marion
EE	Camp Pinediff
FF	Canyon Rim Ranch Subdivision
GG	Cool Spring Mutual Waters
HH	Echo Canyon Point of Entry
II	Echo Resort
JJ	Echo State Hwy Rest Stop
KK	Hidden Lake Association
LL	Lake Rockport Estates
MM	Ledgefork Campground
NN	Park City RV Resort
OO	Pine Mountain Mutual
PP	Pine Valley/Shingle Creek Campground
QQ	Pines Ranch
RR	Rockport Lake State Park
SS	Samak County Estates
TT	Silver Creek Junction
UU	Smith and Morehouse Campground
VV	Stagecoach Subdivision
WW	Summit County Public Works
YY	Upton Ward - LDS
ZZ	Wanship Well Water System
<b>Weber</b>	
AAA	American Legion
BBB	Anderson Cove Campground
CCC	Bluffs Recreation Site
DDD	Camp Atoka - LDS
EEE	Camp Ben Lomond - LDS
FFF	Camp Browning - BSA
GGG	Camp Kiesel - BSA
HHH	Camp Shawnee - LDS
III	Camp Valley View Stake - LDS
JJJ	Causes Estates
KKK	Cobble Creek Camp - LDS
LLL	Coldwater Canyon Recreation
MMM	Jefferson Hunt Campground
NNN	Middle Inlet Picnic Area
OOO	North Fork Learning Center
PPP	North Ogden Bi-Centennial
QQQ	Pine View Homeowners
RRR	Pioneer Bible Camp
SSS	Powder Mountain
TTT	Snow Basin Ski Area
UUU	South Fork Complex
VVV	Weber Co. Memorial Park

Public Community Systems	
<b>Box Elder</b>	
1	BRWCD - South Willard Water Co.
2	Coleman Mobile Home Park
3	Five C's Trailer Court
4	Hot Springs Trailer Court
<b>Davis</b>	
5	Bountiful City
6	Centerville City Water System
7	Clearfield City
8	Clinton City
9	Farmington City Water System
10	Fruit Heights City Water System
11	Hill Air Force Base
12	Hooper WID (West Point, Davis Co.)
13	Kaysville City
14	Layton City
15	Mutton Hollow ID
16	North Salt Lake Water System
17	South Davis WID
18	South Weber City
19	Sunset Municipal Water System
20	Syracuse Water System
21	Weber Basin WCD - South*
22	West Bountiful City Water System
23	West Point City Water System
24	Woods Cross City Water System
<b>Morgan</b>	
25	Central Enterprise Water Assoc.
26	Croydon Pipeline Company
27	Highlands Water Company
28	Monte Verde Water Assoc.
29	Morgan City Corp.
30	Mt Green Subdivision Water
31	Peterson Pipeline Co.
32	Richville Pipeline Co.
33	South Robinson Spring Water Users
34	Weber Basin WCD (Morgan Co.)
35	Cottonwood Mutual Water Co.
<b>Summit</b>	
36	Bridge Hollow Water Users Association
37	Cliff Ward Pipeline Co.
38	Coalville Culinary Water
39	Community Water Co.
40	Deep Springs Water Co.
41	Echo Mutual Water Company
42	Gorgoza Mutual Water Co.
43	Henefer Town
44	High Valley Water Co.
45	Hoytsville Pipe Water Co.
46	Kamas Culinary Water System
47	Marion Waterworks Co.
48	Mountain Regional Water SSD
49	Oakley Town Water System
50	Summit Water Distribution Co.
51	Peoa Pipeline Co.
52	Pine Meadow Mutual Water
53	Summit County Service Area #3
54	Summit Water Distribution Co.
55	Wanship Cottage Estates
56	Wanship Mutual Water Co.
57	Weber Basin WCD (Summit Co.)
58	Wooden Shoe Water Co.
<b>Weber</b>	
59	Bona Vista WID
60	Casey Acres Water Co.
61	Cole Canyon Water Co.
62	Eden Water Works Company
63	Green Hills Country Estates
64	Hooper WID
65	Huntsville Municipal Water System
66	Lakeview Corp.
67	Liberty Pipeline Company
68	Nordic Mountain Water Co.
69	North Ogden City
70	Ogden City Div of Water Utilities
71	Pineview West Water Co.
72	Pleasant View City Corp.
73	Pole Patch Subdivision Water System
74	Riverdale City Water System
75	Roy City Corp.
76	South Ogden City
77	Spring Mountain Mutual Water Co.
78	Sunridge Subdivision Water
79	Taylor - West Weber WID
80	Utah Highland WID
81	Utah, The Town of
82	Washington Terrace, The City of
83	Weber Basin WCD - Central*
84	Weber Basin WCD - North*
85	West Warren WID
86	Wolf Creek Water Co., Inc.



**Legend**

- Self-Supplied Industries
- Public Non-Community Systems
- Public Community Systems
- Basin Boundary
- County Line
- Interstate
- US Highway
- State Route
- Rivers & Streams

\*Weber Basin WCD - Central, North, and South Systems are not shown on the map, because they are wholesalers that cover other systems.

Figure 2-4 Weber River Basin Public Water Systems



Table 2-11 shows the categorical total water use and per-capita water use rates for public community systems within the Weber River Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-11 Weber River Basin Total and Per Capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, Gallons per Capita per Day)

<b>County</b>	<b>Davis</b>	<b>Morgan</b>	<b>Summit</b>	<b>Weber</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>						
Residential Indoor	19,471.7	481.0	2,502.1	16,057.2	<b>38,512.0</b>	<b>59</b>
Residential Outdoor	12,480.9	496.3	4,493.1	12,266.2	<b>29,736.5</b>	<b>46</b>
Commercial	6,097.5	73.7	2,540.1	3,962.6	<b>12,673.9</b>	<b>20</b>
Institutional	3,951.0	335.5	638.6	4,651.7	<b>9,576.8</b>	<b>15</b>
Industrial/Stockwatering	2,117.5	84.1	84.5	1,197.0	<b>3,483.2</b>	<b>5</b>
<b>Total Potable Use</b>	<b>44,118.6</b>	<b>1,470.6</b>	<b>10,258.4</b>	<b>38,134.7</b>	<b>93,982.4</b>	<b>145</b>
<b>Non-Potable Use</b>						
Residential	29,293.0	495.0	503.0	22,663.0	<b>52,954.0</b>	<b>81</b>
Commercial	2,340.0	10.0	1,886.0	2,985.0	<b>7,221.0</b>	<b>11</b>
Institutional	4,594.3	510.0	351.0	2,388.0	<b>7,843.3</b>	<b>12</b>
Industrial/Stockwatering	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>36,227.3</b>	<b>1,015.0</b>	<b>2,740.0</b>	<b>28,036.0</b>	<b>68,018.3</b>	<b>105</b>
<b>Basin Total Water Use</b>	<b>80,345.9</b>	<b>2,485.6</b>	<b>12,998.4</b>	<b>66,170.7</b>	<b>162,000.7</b>	<b>249</b>

#### 2.4.4 Weber River Basin M&I Water Deliveries and Depletions

Table 2-12 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.



Table 2-12 Weber River Basin M&I Deliveries and Depletions

**2010 WEBER RIVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
**(Acre-Feet/Year)**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>Davis County</b>																					
Bountiful City	2,544.4	1,314.6	318.0	324.0	86.0	4,587.0	5,500.0	2,949.6	7,137.4	2,493.5	249.3	63.5	0.0	2,806.3	0.0	2,750.2	3,568.7	6,318.9	10,087.0	3,768.1	t
Centerville City	945.0	95.0	245.8	5.1	2.5	1,293.4	2,240.0	1,145.2	2,388.2	926.1	192.7	1.0	0.0	1,119.8	0.0	1,097.4	1,194.1	2,291.5	3,533.4	1,241.9	t
Clearfield City	1,796.3	4,094.7	707.0	707.0	549.0	7,854.0	250.0	3,052.3	5,051.7	1,760.4	554.3	138.6	0.0	2,453.2	0.0	2,404.2	2,525.9	4,930.0	8,104.0	3,174.0	t
Clinton City	1,200.0	93.0	80.0	231.0	0.0	1,604.0	3,250.0	1,310.2	3,543.8	1,176.0	62.7	45.3	0.0	1,284.0	0.0	1,258.3	1,771.9	3,030.2	4,854.0	1,823.8	t
Farmington City	900.0	114.7	151.4	181.5	0.0	1,347.6	2,860.0	1,057.4	3,150.2	882.0	118.7	35.6	0.0	1,036.3	0.0	1,015.5	1,575.1	2,590.6	4,207.6	1,617.0	t
Fruit Heights	330.4	70.7	10.0	5.0	0.0	416.1	1,685.0	339.4	1,761.7	323.8	7.8	1.0	0.0	332.6	0.0	326.0	880.9	1,206.8	2,101.1	894.3	t
Hill Air Force Base	216.6	669.5	0.0	1,234.3	411.4	2,531.8	779.0	874.9	2,435.9	212.3	0.0	241.9	0.0	454.2	0.0	445.1	1,218.0	1,663.1	3,310.8	1,647.7	t
Hooper Water Improvement District (West Point, Davis Co.)	65.0	2.4	0.0	0.0	0.0	67.4	200.0	65.0	202.4	63.7	0.0	0.0	0.0	63.7	0.0	62.4	101.2	163.6	267.4	103.8	t
Kaysville City	1,804.2	45.8	230.0	153.0	40.0	2,273.0	4,540.0	2,058.8	4,754.2	1,768.1	180.3	30.0	0.0	1,978.4	0.0	1,938.9	2,377.1	4,316.0	6,813.0	2,497.0	t
Layton City	4,448.4	3,698.0	2,641.4	431.2	0.0	11,219.0	3,216.0	6,647.8	7,787.2	4,359.4	2,070.9	84.5	0.0	6,514.8	0.0	6,384.5	3,893.6	10,278.1	14,435.0	4,156.9	t
Mutton Hollow Impr. District	48.9	138.1	0.0	0.4	0.0	187.4	135.0	49.0	273.4	47.9	0.0	0.1	0.0	48.0	0.0	47.0	136.7	183.8	322.4	138.6	t
North Salt Lake	1,075.3	918.1	893.1	414.5	895.0	4,196.0	383.3	2,767.7	1,811.6	1,053.8	700.2	81.2	0.0	1,835.2	0.0	1,798.5	905.8	2,704.3	4,579.3	1,875.0	t
South Davis Water Imp. District	396.5	272.5	93.0	16.0	0.0	778.0	1,300.0	474.1	1,603.9	388.6	72.9	3.1	0.0	464.6	0.0	455.3	802.0	1,257.3	2,078.0	820.7	t
South Weber City	406.6	232.5	70.0	10.0	0.0	719.1	950.0	464.6	1,204.5	398.5	54.9	2.0	0.0	455.3	0.0	446.2	602.3	1,048.5	1,669.1	620.6	t
Sunset Municipal Water System	338.4	402.5	56.7	124.9	0.0	922.5	5.0	408.7	518.8	331.6	44.5	24.5	0.0	400.6	0.0	392.6	259.4	651.9	927.5	275.6	t
Syracuse Water System	1,450.6	50.0	50.0	10.0	0.0	1,560.6	4,390.0	1,492.6	4,458.0	1,421.6	39.2	2.0	0.0	1,462.7	0.0	1,433.5	2,229.0	3,662.5	5,950.6	2,288.1	t
West Bountiful Water System	348.3	234.8	282.3	49.1	52.2	966.7	1,224.0	636.2	1,554.5	341.3	221.3	9.6	0.0	572.3	0.0	560.8	777.3	1,338.1	2,190.7	852.6	t
West Point Water System	540.0	14.0	1.0	1.2	0.0	556.2	2,000.0	541.0	2,015.2	529.2	0.8	0.2	0.0	530.2	0.0	519.6	1,007.6	1,527.2	2,556.2	1,029.0	t
Woods Cross Water System	616.8	20.0	267.8	52.8	81.4	1,038.8	1,320.0	923.0	1,435.8	604.5	210.0	10.3	0.0	824.8	15.3	793.0	717.9	1,510.9	2,358.8	847.9	t
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>19,471.7</b>	<b>12,480.9</b>	<b>6,097.5</b>	<b>3,951.0</b>	<b>2,117.5</b>	<b>44,118.6</b>	<b>36,227.3</b>	<b>27,257.4</b>	<b>53,088.5</b>	<b>19,082.3</b>	<b>4,780.4</b>	<b>774.4</b>	<b>0.0</b>	<b>24,637.1</b>	<b>15.3</b>	<b>24,129.1</b>	<b>26,544.3</b>	<b>50,673.3</b>	<b>80,345.9</b>	<b>29,672.6</b>	
Non-community Systems	0.0	0.0	291.9	1.3	0.0	293.2	524.3	233.8	583.7	0.0	228.8	0.3	0.0	229.1	0.0	217.6	291.9	509.5	817.5	308.0	s
Self-Supplied Industries	0.0	0.0	0.0	9.0	4,881.9	4,890.9	447.7	5,338.6	0.0	0.0	0.0	1.8	0.0	1.8	0.0	0.0	0.0	0.0	5,338.6	5,338.6	s
Private Domestic Systems	5.0	15.0	0.0	0.0	0.0	20.0	0.0	5.0	15.0	4.9	0.0	0.0	0.0	4.9	0.0	4.7	7.5	12.2	20.0	7.8	s
<b>COUNTY TOTALS</b>	<b>19,476.7</b>	<b>12,495.9</b>	<b>6,389.4</b>	<b>3,961.3</b>	<b>6,999.4</b>	<b>49,322.7</b>	<b>37,199.3</b>	<b>32,834.8</b>	<b>53,687.2</b>	<b>19,087.2</b>	<b>5,009.3</b>	<b>776.4</b>	<b>0.0</b>	<b>24,872.9</b>	<b>15.3</b>	<b>24,351.4</b>	<b>26,843.6</b>	<b>51,195.0</b>	<b>86,522.0</b>	<b>35,327.0</b>	
<b>Morgan County</b>																					
Central Enterprise Water Co.	25.4	46.7	0.0	5.1	0.0	77.2	25.0	26.4	75.8	24.9	0.0	1.0	0.0	25.9	0.0	24.6	37.9	62.5	102.2	39.7	s
Cottonwood Mutual Water Co.	88.1	118.0	1.0	3.0	4.0	214.1	0.0	93.5	120.6	86.3	0.8	0.6	0.0	87.7	0.0	83.3	60.3	143.6	214.1	70.5	s
Croyden Pipeline Company	5.2	2.8	0.0	0.5	1.5	10.0	20.0	6.8	23.2	5.1	0.0	0.1	0.0	5.2	0.0	4.9	11.6	16.5	30.0	13.5	s
Highlands Water Co.	72.1	113.0	15.5	48.3	0.0	248.9	0.0	94.2	154.7	70.7	12.2	9.5	0.0	92.3	0.0	90.4	77.4	167.8	248.9	81.1	p
Monte Verde Water Association	6.5	17.3	0.0	0.0	0.0	23.8	0.0	6.5	17.3	6.4	0.0	0.0	0.0	6.4	2.3	3.9	8.7	12.6	23.8	11.2	p



**Table 2-12 Weber River Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Morgan City Corporation	239.8	119.6	56.2	276.6	74.6	<b>766.8</b>	850.0	414.7	1,202.1	235.0	44.1	54.2	0.0	333.3	0.2	<b>326.4</b>	601.1	927.4	1,616.8	689.4	p
Mt. Green Subdivision Water Association	4.5	7.7	0.0	0.0	0.0	<b>12.2</b>	0.0	4.5	7.7	4.4	0.0	0.0	0.0	4.4	15.1	<b>0.0</b>	3.9	3.9	12.2	8.4	p
Peterson Pipeline Association	26.0	51.8	1.0	1.0	0.0	<b>79.8</b>	85.0	27.0	137.8	25.5	0.8	0.2	0.0	26.5	0.0	<b>25.1</b>	68.9	94.0	164.8	70.8	s
Richville Pipeline Co.	10.4	10.4	0.0	1.0	4.0	<b>25.8</b>	35.0	14.6	46.2	10.2	0.0	0.2	0.0	10.4	0.0	<b>9.9</b>	23.1	33.0	60.8	27.8	s
S. Robinson Spring Water Users	3.0	9.0	0.0	0.0	0.0	<b>12.0</b>	0.0	3.0	9.0	2.9	0.0	0.0	0.0	2.9	15.3	<b>0.0</b>	4.5	4.5	12.0	7.5	p
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>481.0</b>	<b>496.3</b>	<b>73.7</b>	<b>335.5</b>	<b>84.1</b>	<b>1,470.6</b>	<b>1,015.0</b>	<b>691.2</b>	<b>1,794.4</b>	<b>471.4</b>	<b>57.8</b>	<b>65.8</b>	<b>0.0</b>	<b>594.9</b>	<b>33.0</b>	<b>568.6</b>	<b>897.2</b>	<b>1,465.8</b>	<b>2,485.6</b>	<b>1,019.8</b>	
Non-community systems	0.0	0.0	30.5	24.1	0.0	<b>54.6</b>	380.8	29.2	406.2	0.0	23.9	4.7	0.0	28.6	0.0	<b>27.2</b>	203.1	230.3	435.4	205.1	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	219.5	<b>219.5</b>	0.0	219.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	219.5	219.5	s
Private Domestic Systems	150.0	250.0	0.0	0.0	0.0	<b>400.0</b>	0.0	150.0	250.0	147.0	0.0	0.0	0.0	147.0	0.0	<b>139.7</b>	125.0	264.7	400.0	135.4	s
<b>COUNTY TOTALS</b>	<b>631.0</b>	<b>746.3</b>	<b>104.2</b>	<b>359.6</b>	<b>303.6</b>	<b>2,144.7</b>	<b>1,395.8</b>	<b>1,089.9</b>	<b>2,450.6</b>	<b>618.4</b>	<b>81.7</b>	<b>70.5</b>	<b>0.0</b>	<b>770.6</b>	<b>33.0</b>	<b>735.4</b>	<b>1,225.3</b>	<b>1,960.7</b>	<b>3,540.5</b>	<b>1,579.8</b>	

<b>Summit County</b>																					
Bridge Hollow Water Association	5.0	5.0	0.0	0.0	0.0	<b>10.0</b>	0.0	5.0	5.0	4.9	0.0	0.0	0.0	4.9	0.0	4.7	2.5	7.2	10.0	2.8	s
Cluff Ward Pipeline Co.	14.2	28.0	0.0	0.0	2.0	<b>44.2</b>	10.0	16.2	38.0	13.9	0.0	0.0	0.0	13.9	0.0	13.2	19.0	32.2	54.2	22.0	s
Coalville City	94.5	26.6	17.2	12.4	0.1	<b>150.8</b>	220.0	110.8	260.0	92.6	13.5	2.4	0.0	108.5	0.0	103.1	130.0	233.1	370.8	137.7	t
Community Water Co.	71.7	33.4	22.0	2.4	0.0	<b>129.5</b>	200.0	89.8	239.7	70.3	17.2	0.5	0.0	88.0	0.0	83.6	119.9	203.4	329.5	126.1	t
Deep Springs Water Co.	4.3	1.7	0.0	0.0	0.0	<b>6.0</b>	0.0	4.3	1.7	4.2	0.0	0.0	0.0	4.2	0.0	4.0	0.9	4.9	6.0	1.1	s
Echo Mutual Water System	4.5	1.1	1.5	0.5	0.0	<b>7.6</b>	7.0	5.8	8.8	4.4	1.2	0.1	0.0	5.7	0.0	5.4	4.4	9.8	14.6	4.8	s
Gorgoza Mutual Water Co.	301.1	170.1	15.4	38.6	0.0	<b>525.2</b>	0.0	321.1	204.1	295.1	12.1	7.6	0.0	314.7	0.0	299.0	102.0	401.0	525.2	124.2	t
Henefer Town	51.9	211.1	4.3	15.4	0.0	<b>282.7</b>	10.0	58.4	234.3	50.9	3.4	3.0	0.0	57.3	2,775.0	0.0	117.1	117.1	292.7	175.6	p
High Valley Water Co.	37.9	93.5	0.0	0.0	0.0	<b>131.4</b>	0.0	37.9	93.5	37.1	0.0	0.0	0.0	37.1	0.0	35.3	46.8	82.0	131.4	49.4	s
Hoytsville Pipe Water Co.	36.9	43.1	10.0	5.0	0.0	<b>95.0</b>	25.0	45.9	74.1	36.2	7.8	1.0	0.0	45.0	0.0	42.7	37.1	79.8	120.0	40.2	s
Kamas City Water System	125.7	537.5	37.7	84.9	1.5	<b>787.3</b>	0.0	174.3	613.0	123.2	29.6	16.6	0.0	169.4	3,160.0	0.0	306.5	306.5	787.3	480.8	p
Marion Waterworks Co.	27.8	33.6	0.1	1.5	6.6	<b>69.6</b>	29.0	34.8	63.8	27.2	0.1	0.3	0.0	27.6	0.0	26.2	31.9	58.1	98.6	40.5	s
Mountain Regional Water SSD	565.0	765.0	107.0	303.0	35.5	<b>1,775.5</b>	750.0	746.7	1,778.8	553.7	83.9	59.4	0.0	697.0	0.0	662.1	889.4	1,551.5	2,525.5	974.0	t
Oakley City	102.0	218.0	5.3	3.1	36.8	<b>365.2</b>	60.0	143.7	281.5	100.0	4.2	0.6	0.0	104.7	948.0	0.0	140.8	140.8	425.2	284.4	p
Park City	558.2	1,400.2	1,191.5	117.3	0.0	<b>3,267.2</b>	991.0	1,534.9	2,723.3	547.0	934.1	23.0	0.0	1,504.2	0.0	1,429.0	1,361.7	2,790.6	4,258.2	1,467.6	t
Peoa Pipeline Company	10.0	10.0	0.0	0.0	2.0	<b>22.0</b>	16.0	12.0	26.0	9.8	0.0	0.0	0.0	9.8	0.0	9.3	13.0	22.3	38.0	15.7	s
Pine Meadow Mutual Water	4.3	1.7	0.0	0.0	0.0	<b>6.0</b>	0.0	4.3	1.7	4.2	0.0	0.0	0.0	4.2	0.0	4.0	0.9	4.9	6.0	1.1	s
Summit County Service Area #3	31.5	33.8	3.8	0.0	0.0	<b>69.1</b>	0.0	34.5	34.6	30.9	3.0	0.0	0.0	33.8	0.0	32.2	17.3	49.4	69.1	19.7	s
Summit Water Distribution Co.	430.1	864.2	1,122.3	54.5	0.0	<b>2,471.1</b>	375.0	1,338.8	1,507.3	421.5	879.9	10.7	0.0	1,312.1	0.0	1,246.5	753.6	2,000.1	2,846.1	846.0	t
Wanship Cottage Sites	4.2	0.5	0.0	0.0	0.0	<b>4.7</b>	2.0	4.2	2.5	4.1	0.0	0.0	0.0	4.1	0.0	3.9	1.3	5.2	6.7	1.5	s
Wanship Mutual Water Co	17.3	8.0	2.0	0.0	0.0	<b>27.3</b>	40.0	18.9	48.4	17.0	1.6	0.0	0.0	18.5	0.0	17.6	24.2	41.8	67.3	25.5	s
Wooden Shoe Water Co.	4.0	7.0	0.0	0.0	0.0	<b>11.0</b>	5.0	4.0	12.0	3.9	0.0	0.0	0.0	3.9	0.0	3.7	6.0	9.7	16.0	6.3	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>2,502.1</b>	<b>4,493.1</b>	<b>2,540.1</b>	<b>638.6</b>	<b>84.5</b>	<b>10,258.4</b>	<b>2,740.0</b>	<b>4,746.4</b>	<b>8,252.0</b>	<b>2,452.1</b>	<b>1,991.4</b>	<b>125.2</b>	<b>0.0</b>	<b>4,568.7</b>	<b>6,883.0</b>	<b>4,025.4</b>	<b>4,126.0</b>	<b>8,151.4</b>	<b>12,998.4</b>	<b>4,847.0</b>	
Non-community Systems	26.1	6.5	7.0	21.3	0.0	<b>60.9</b>	150.0	36.0	174.9	25.6	5.5	4.2	0.0	35.2	0.0	<b>33.5</b>	87.5	120.9	210.9	90.0	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.2	<b>0.2</b>	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.2	0.2	s



**Table 2-12 Weber River Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Private Domestic Systems	10.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	9.8	0.0	0.0	0.0	9.8	0.0	9.3	0.0	9.3	10.0	0.7	s
<b>COUNTY TOTALS</b>	<b>2,538.2</b>	<b>4,499.6</b>	<b>2,547.1</b>	<b>659.9</b>	<b>84.7</b>	<b>10,329.5</b>	<b>2,890.0</b>	<b>4,792.6</b>	<b>8,426.9</b>	<b>2,487.4</b>	<b>1,996.9</b>	<b>129.3</b>	<b>0.0</b>	<b>4,613.7</b>	<b>6,883.0</b>	<b>4,068.2</b>	<b>4,213.5</b>	<b>8,281.7</b>	<b>13,219.5</b>	<b>4,937.8</b>	

<b>Weber County</b>																					
Casey Acres Water Co.	2.8	0.0	0.0	0.0	0.0	2.8	20.0	2.8	20.0	2.7	0.0	0.0	0.0	2.7	114.4	0.0	10.0	10.0	22.8	12.8	s
Cole Canyon Water Co.	5.6	1.4	0.0	0.0	0.0	7.0	30.0	5.6	31.4	5.5	0.0	0.0	0.0	5.5	115.4	0.0	15.7	15.7	37.0	21.3	s
Eden Waterworks System	87.4	62.2	12.0	2.6	0.0	164.2	130.0	97.5	196.7	85.7	9.4	0.5	0.0	95.6	116.4	0.0	98.3	98.3	294.2	195.9	s
Green Hills Country Estates	25.7	7.5	0.0	0.0	0.0	33.2	0.0	25.7	7.5	25.2	0.0	0.0	0.0	25.2	117.4	0.0	3.8	3.8	33.2	29.5	s
Hooper Water Improvement District	1,250.0	35.4	18.1	25.4	0.0	1,328.9	2,460.0	1,269.6	2,519.3	1,225.0	14.2	5.0	0.0	1,244.2	118.4	1,100.9	1,259.7	2,360.6	3,788.9	1,428.3	t
Huntsville Town Water System	59.0	104.3	4.6	1.0	0.7	169.6	228.0	63.6	334.0	57.8	3.6	0.2	0.0	61.6	119.4	0.0	167.0	167.0	397.6	230.6	s
Lakeview Water Co.	11.1	34.2	0.0	10.0	0.0	55.3	0.0	13.1	42.2	10.9	0.0	2.0	0.0	12.8	120.4	0.0	21.1	21.1	55.3	34.2	s
Liberty Pipeline Company	110.4	56.7	0.0	0.5	0.0	167.6	350.0	110.5	407.1	108.2	0.0	0.1	0.0	108.3	121.4	0.0	203.6	203.6	517.6	314.1	s
Nordic Mountain Water Co.	42.0	2.1	0.0	0.0	0.0	44.1	0.0	42.0	2.1	41.2	0.0	0.0	0.0	41.2	122.4	0.0	1.1	1.1	44.1	43.1	s
North Ogden City	1,100.0	25.8	46.8	21.3	0.0	1,193.9	2,850.0	1,141.7	2,902.2	1,078.0	36.7	4.2	0.0	1,118.9	123.4	973.1	1,451.1	2,424.2	4,043.9	1,619.7	t
Ogden City Water System	5,845.0	8,700.0	1,585.0	4,121.0	634.5	20,885.5	5,560.0	8,571.7	17,873.8	5,728.1	1,242.6	807.7	0.0	7,778.5	124.4	7,498.5	8,936.9	16,435.4	26,445.5	10,010.1	t
Bona Vista Water District	1,340.8	664.7	956.0	133.9	343.9	3,439.3	2,880.0	2,476.3	3,843.0	1,314.0	749.5	26.2	0.0	2,089.7	125.4	1,922.5	1,921.5	3,844.0	6,319.3	2,475.3	t
Pineview West Water Co.	4.2	1.0	0.0	0.0	0.0	5.2	30.0	4.2	31.0	4.1	0.0	0.0	0.0	4.1	126.4	0.0	15.5	15.5	35.2	19.7	s
Pleasant View City Corp.	523.4	224.5	10.0	5.0	0.0	762.9	1,280.0	532.4	1,510.5	512.9	7.8	1.0	0.0	521.8	127.4	383.9	755.3	1,139.2	2,042.9	903.7	t
Pole Patch Subdivision Water System	4.0	21.0	0.0	0.0	0.0	25.0	0.0	4.0	21.0	3.9	0.0	0.0	0.0	3.9	128.4	0.0	10.5	10.5	25.0	14.5	s
Riverdale City Water System	604.3	1,141.7	493.0	143.0	6.0	2,388.0	570.0	1,033.3	1,924.7	592.2	386.5	28.0	0.0	1,006.8	129.4	857.2	962.4	1,819.6	2,958.0	1,138.4	t
Roy City Corp.	2,534.9	285.3	317.6	27.2	0.0	3,165.0	5,020.0	2,794.4	5,390.6	2,484.2	249.0	5.3	0.0	2,738.5	130.4	2,553.4	2,695.3	5,248.7	8,185.0	2,936.3	t
South Ogden City Water System	930.0	17.9	427.9	15.7	0.0	1,391.5	2,880.0	1,275.5	2,996.0	911.4	335.5	3.1	0.0	1,250.0	131.4	1,093.6	1,498.0	2,591.6	4,271.5	1,679.9	t
Spring Mountain Mutual Water Co.	4.2	1.0	0.0	0.0	0.0	5.2	4.0	4.2	5.0	4.1	0.0	0.0	0.0	4.1	132.4	0.0	2.5	2.5	9.2	6.7	t
Sunridge	2.0	0.1	0.0	0.0	0.0	2.1	0.0	2.0	0.1	2.0	0.0	0.0	0.0	2.0	0.0	1.9	0.1	2.0	2.1	0.1	t
Taylor-West Weber WID	436.2	393.5	2.4	38.1	141.3	1,011.5	855.0	587.0	1,279.5	427.5	1.9	7.5	0.0	436.8	0.0	428.1	639.7	1,067.8	1,866.5	798.7	t
The Town of Uintah	88.7	230.0	10.0	40.0	2.6	371.3	170.0	107.3	434.0	86.9	7.8	7.8	0.0	102.6	0.0	100.6	217.0	317.6	541.3	223.7	t
Uintah Highlands Improvement District	184.5	33.6	23.9	24.0	0.0	266.0	700.0	208.4	757.6	180.8	18.7	4.7	0.0	204.3	0.0	200.2	378.8	579.0	966.0	387.0	t
The City of Washington Terrace	640.0	50.0	15.0	33.0	0.0	738.0	1,020.0	658.6	1,099.4	627.2	11.8	6.5	0.0	645.4	0.0	632.5	549.7	1,182.2	1,758.0	575.8	t
West Warren Improvement District	60.5	152.3	5.0	10.0	68.1	295.9	200.0	134.6	361.3	59.3	3.9	2.0	0.0	65.2	0.0	61.9	180.7	242.6	495.9	253.3	s
Wolf Creek Water Co., Inc.	160.5	20.0	35.3	0.0	0.0	215.8	799.0	188.7	826.1	157.3	27.7	0.0	0.0	185.0	0.0	175.7	413.0	588.7	1,014.8	426.1	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>16,057.2</b>	<b>12,266.2</b>	<b>3,962.6</b>	<b>4,651.7</b>	<b>1,197.1</b>	<b>38,134.8</b>	<b>28,036.0</b>	<b>21,354.7</b>	<b>44,816.1</b>	<b>15,736.1</b>	<b>3,106.7</b>	<b>911.7</b>	<b>0.0</b>	<b>19,754.5</b>	<b>2,344.6</b>	<b>17,983.9</b>	<b>22,408.0</b>	<b>40,392.0</b>	<b>66,170.8</b>	<b>25,778.8</b>	
Non-community Systems	25.0	0.0	52.3	39.5	0.0	116.8	210.0	74.7	252.1	24.5	41.0	7.7	0.0	73.2	0.0	69.6	126.0	195.6	326.8	131.2	s
Self-Supplied Industries	0.0	0.0	1.0	16.0	1,033.1	1,050.1	6,522.4	7,572.5	0.0	0.0	0.8	3.1	0.0	3.9	0.0	0.0	0.0	0.0	7,572.5	7,572.5	s
Private Domestic Systems	4.0	6.0	0.0	0.0	0.0	10.0	0.0	4.0	6.0	3.9	0.0	0.0	0.0	3.9	0.0	3.7	3.0	6.7	10.0	3.3	s
<b>COUNTY TOTALS</b>	<b>16,086.2</b>	<b>12,272.2</b>	<b>4,015.9</b>	<b>4,707.2</b>	<b>2,230.2</b>	<b>39,311.7</b>	<b>34,768.4</b>	<b>29,006.0</b>	<b>45,074.1</b>	<b>15,764.5</b>	<b>3,148.5</b>	<b>922.6</b>	<b>0.0</b>	<b>19,835.6</b>	<b>2,344.6</b>	<b>18,057.2</b>	<b>22,537.1</b>	<b>40,594.3</b>	<b>74,080.1</b>	<b>33,485.8</b>	



**Table 2-12 Weber River Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>BASIN COMMUNITY SYSTEMS</b>	<b>38,512.0</b>	<b>29,736.5</b>	<b>12,673.9</b>	<b>9,576.8</b>	<b>3,483.2</b>	<b>93,982.4</b>	<b>68,018.3</b>	<b>54,049.7</b>	<b>107,951.0</b>	<b>37,741.8</b>	<b>9,936.3</b>	<b>1,877.1</b>	<b>0.0</b>	<b>49,555.2</b>	<b>9,275.9</b>	<b>46,707.0</b>	<b>53,975.5</b>	<b>100,682.5</b>	<b>162,000.7</b>	<b>61,318.2</b>	
Total Non-Community Systems	51.1	6.5	381.7	86.2	0.0	525.5	1,265.1	373.7	1,416.9	50.1	299.3	16.9	0.0	366.2	0.0	347.9	708.5	1,056.4	1,790.6	734.2	
Self-Supplied Industries	0.0	0.0	1.0	25.0	6,134.7	6,160.7	6,970.1	13,130.8	0.0	0.0	0.8	4.9	0.0	5.7	0.0	0.0	0.0	0.0	13,130.8	13,130.8	
Private Domestic Systems	169.0	271.0	0.0	0.0	0.0	440.0	0.0	169.0	271.0	165.6	0.0	0.0	0.0	165.6	0.0	157.3	135.5	292.8	440.0	147.2	
<b>WEBER BASIN TOTALS</b>	<b>38,732.1</b>	<b>30,014.0</b>	<b>13,056.6</b>	<b>9,688.0</b>	<b>9,617.9</b>	<b>101,108.6</b>	<b>76,253.5</b>	<b>67,723.2</b>	<b>109,638.9</b>	<b>37,957.5</b>	<b>10,236.4</b>	<b>1,898.8</b>	<b>0.0</b>	<b>50,092.7</b>	<b>9,275.9</b>	<b>47,212.2</b>	<b>54,819.5</b>	<b>102,031.7</b>	<b>177,362.1</b>	<b>75,330.4</b>	

Color Code:

	Potable Use Data
	Secondary Use Data
	Indoor/Outdoor Use Data

	Return Flow Data
	Delivery Data
	Depletion Data

Treatment Facility Key:

t = Sewage Treatment Plant  
 p = Facultative Ponds/Lagoons  
 s = Septic Systems/Tanks



## **2.5 Utah Lake Basin**

The Utah Lake Basin covers about 3,040 square miles of the north central portion of Utah and makes up the majority of the Utah Lake Drainage Study Area. The area is bounded on all sides by a series of mountain ranges including the Traverse Mountains to the north, the Wasatch Mountains to the east, the Mount Nebo Wilderness Area to the south, and the Oquirrh Mountains to the west. Elevations of the area range from 11,877 feet at Mount Nebo to 4,488 feet at Utah Lake.

The Utah Lake Basin spans all or part of five counties: Utah, Wasatch, Summit, Juab and Sanpete. The Sanpete County portion of the area contains no significant water users and reflects no water use in this report. The Utah Lake Basin is one of the more densely populated and developed areas in the state, behind only the Jordan River Basin and the Weber River Basin. The largest population centers are the cities of Provo and Orem, in Utah County.

### **2.5.1 Utah Lake Basin Municipal and Industrial Water Use**

Total annual water use in this area is 161,485 ac-ft. The majority of use is potable water (116,866 ac-ft), with the remaining 44,619 ac-ft being non-potable water. Some of this non-potable water is supplied by several irrigation companies and is utilized by residential developments for landscape irrigation. Because the area is experiencing some of the highest population growth rates in the state, total residential water use has been increasing at a substantial rate.

Within the area, there are 58 public community water systems serving about 544,910 people. Figure 2-5 shows the location of the public community water systems within the hydrologic basin. More than 70 public non-community water systems serve assorted facilities and public areas. Table 2-13 summarizes water use in the basin.



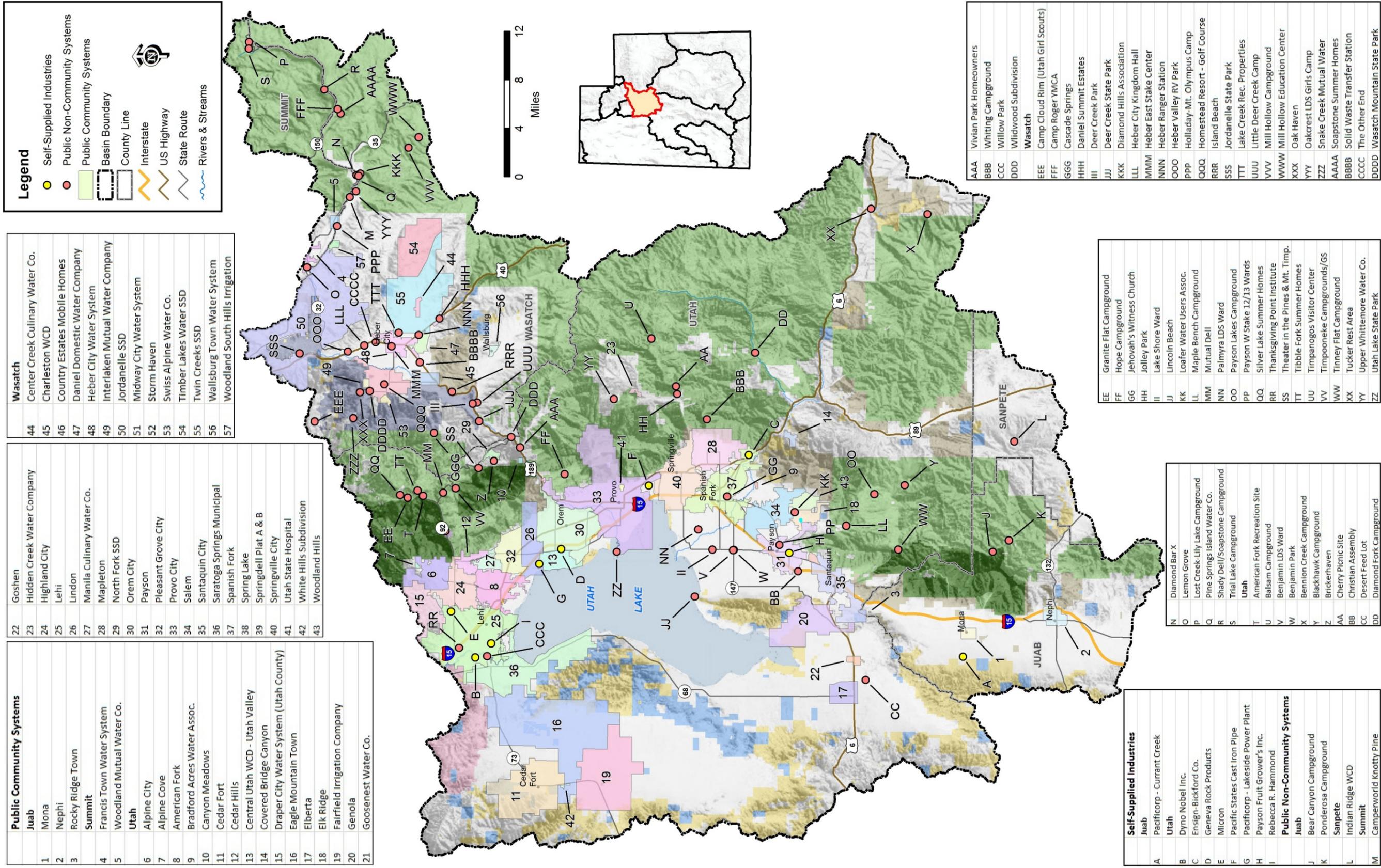


Figure 2-5 Utah Lake Basin Public Water Systems



**Table 2-13 Utah Lake Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	90,601.4	44,368.8	<b>134,970.2</b>
Public Non-Community	1,031.3	250.0	<b>1,281.3</b>
Self-Supplied Industries	24,653.9	0.0	<b>24,653.9</b>
Private Domestic	580.0	0.0	<b>580.0</b>
<b>Basin Total</b>	<b>116,866.6</b>	<b>44,618.8</b>	<b>161,485.4</b>

**2.5.2 Utah Lake Basin Public Community Systems- Source of Supply**

Table 2-14 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Utah Lake Basin by county and source.

**Table 2-14 Utah Lake Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Juab	761.7	4,360.1	0.0	<b>5,121.8</b>	550.0	<b>5,671.8</b>
Summit	225.1	220.5	0.0	<b>445.6</b>	65.0	<b>510.6</b>
Utah	30,402.3	98,893.4	33,526.0	<b>162,821.7</b>	42,030.2	<b>204,851.9</b>
Wasatch	3,384.6	3,243.1	4,500.0	<b>11,127.7</b>	1,723.6	<b>12,851.3</b>
<b>Basin Totals</b>	<b>34,773.7</b>	<b>106,717.1</b>	<b>38,026.0</b>	<b>179,516.9</b>	<b>44,368.8</b>	<b>223,885.6</b>

**2.5.3 Utah Lake Basin Public Community Systems - Water Use**

Table 2-15 shows the categorical total water use and per-capita water use rates for public community systems within the Utah Lake Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-15 Utah Lake Basin Total and Per Capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, Gallons per Capita per Day)

<b>County</b>	<b>Juab</b>	<b>Summit</b>	<b>Utah</b>	<b>Wasatch</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>						
Residential Indoor	509.7	74.6	31,974.1	1,597.5	<b>34,155.9</b>	<b>56</b>
Residential Outdoor	948.0	148.5	25,217.3	1,671.4	<b>27,985.2</b>	<b>46</b>
Commercial	707.7	6.6	18,929.0	363.0	<b>20,006.3</b>	<b>33</b>
Institutional	395.9	6.5	5,190.3	245.0	<b>5,837.7</b>	<b>10</b>
Industrial/Stockwatering	170.2	5.0	2,379.6	61.5	<b>2,616.3</b>	<b>4</b>
<b>Total Potable Use</b>	<b>2,731.5</b>	<b>241.2</b>	<b>83,690.3</b>	<b>3,938.4</b>	<b>90,601.4</b>	<b>148</b>
<b>Secondary Use</b>						
Residential	500.0	55.0	30,825.2	1,348.6	<b>32,728.8</b>	<b>54</b>
Commercial	0.0	0.0	4,643.5	250.0	<b>4,893.5</b>	<b>8</b>
Institutional	50.0	10.0	6,230.5	125.0	<b>6,415.5</b>	<b>11</b>
Industrial/Stockwatering	0.0	0.0	331.0	0.0	<b>331.0</b>	<b>1</b>
<b>Total Non-Potable Use</b>	<b>550.0</b>	<b>65.0</b>	<b>42,030.2</b>	<b>1,723.6</b>	<b>44,368.8</b>	<b>73</b>
<b>Totals</b>	<b>3,281.5</b>	<b>306.2</b>	<b>125,720.5</b>	<b>5,662.0</b>	<b>134,970.2</b>	<b>221</b>

The town of Eureka is not located within the study area but maintains wells within the boundaries of the Utah Lake Basin. However, these withdrawals are not reflected in the Utah Lake Basin’s tables and figures. Refer to Sevier River Basin section for the water use of Eureka.

#### **2.5.4 Utah Lake Basin M&I Water Deliveries and Depletions**

Table 2-16 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-16 Utah Lake Basin M&I Deliveries and Depletions

**2010 UTAH LAKE RIVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
**(Acre-Feet/Year)**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>Juab County</b>																					
Mona	97.9	173.5	7.7	22.9	0.0	302.0	175.0	108.6	368.4	95.9	6.0	4.5	0.0	106.5	0.0	101.1	184.2	285.3	477.0	191.7	s
Nephi	364.3	757.6	700.0	369.2	169.2	2,360.3	375.0	1,167.3	1,568.0	357.0	548.8	72.4	0.0	978.2	183.3	775.3	784.0	1,559.3	2,735.3	1,176.0	p
Rocky Ridge Town	47.5	16.9	0.0	3.8	1.0	69.2	0.0	49.3	19.9	46.6	0.0	0.7	0.0	47.3	15.3	29.6	10.0	39.6	69.2	29.6	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>509.7</b>	<b>948.0</b>	<b>707.7</b>	<b>395.9</b>	<b>170.2</b>	<b>2,731.5</b>	<b>550.0</b>	<b>1,325.2</b>	<b>1,956.3</b>	<b>499.5</b>	<b>554.8</b>	<b>77.6</b>	<b>0.0</b>	<b>1,131.9</b>	<b>198.6</b>	<b>906.1</b>	<b>978.1</b>	<b>1,884.2</b>	<b>3,281.5</b>	<b>1,397.3</b>	
Non-community Systems	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.4	1.6	0.0	0.0	0.4	0.0	0.4	0.0	0.4	0.8	1.2	2.0	0.8	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	82.5	82.5	0.0	82.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.5	82.5	s
Private Domestic Systems	50.0	100.0	0.0	0.0	0.0	150.0	0.0	50.0	100.0	49.0	0.0	0.0	0.0	49.0	0.0	46.6	50.0	96.6	150.0	53.5	s
<b>COUNTY TOTALS</b>	<b>559.7</b>	<b>1,048.0</b>	<b>707.7</b>	<b>397.9</b>	<b>252.7</b>	<b>2,966.0</b>	<b>550.0</b>	<b>1,458.1</b>	<b>2,057.9</b>	<b>548.5</b>	<b>554.8</b>	<b>78.0</b>	<b>0.0</b>	<b>1,181.3</b>	<b>198.6</b>	<b>953.0</b>	<b>1,028.9</b>	<b>1,981.9</b>	<b>3,516.0</b>	<b>1,534.1</b>	

<b>San Pete County</b>																					
None																					
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>0.0</b>																				
Non-community systems	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	0.0	0.9	1.0	0.1	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
<b>COUNTY TOTALS</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.9</b>	<b>0.0</b>	<b>0.9</b>	<b>1.0</b>	<b>0.1</b>	

<b>Summit County</b>																					
Francis Town Water System	60.8	98.7	0.5	1.5	0.0	161.5	60.0	61.5	160.0	59.6	0.4	0.3	0.0	60.3	0.0	57.3	80.0	137.3	221.5	84.2	s
Woodland Mutual Water Co.	13.8	49.8	6.1	5.0	5.0	79.7	5.0	24.7	60.0	13.5	4.8	1.0	0.0	19.3	0.0	18.3	30.0	48.3	84.7	36.4	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>74.6</b>	<b>148.5</b>	<b>6.6</b>	<b>6.5</b>	<b>5.0</b>	<b>241.2</b>	<b>65.0</b>	<b>86.2</b>	<b>220.0</b>	<b>73.1</b>	<b>5.2</b>	<b>1.3</b>	<b>0.0</b>	<b>79.6</b>	<b>0.0</b>	<b>75.6</b>	<b>110.0</b>	<b>185.6</b>	<b>306.2</b>	<b>120.6</b>	
Non-community systems	2.8	0.5	1.0	0.8	0.0	5.1	0.0	3.8	1.3	2.7	0.8	0.2	0.0	3.7	0.0	3.5	0.7	4.2	5.1	0.9	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	10.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	9.8	0.0	0.0	0.0	9.8	0.0	9.3	0.0	9.3	10.0	0.7	s
<b>COUNTY TOTALS</b>	<b>87.4</b>	<b>149.0</b>	<b>7.6</b>	<b>7.3</b>	<b>5.0</b>	<b>256.3</b>	<b>65.0</b>	<b>99.9</b>	<b>221.4</b>	<b>85.7</b>	<b>6.0</b>	<b>1.4</b>	<b>0.0</b>	<b>93.0</b>	<b>0.0</b>	<b>88.4</b>	<b>110.7</b>	<b>199.1</b>	<b>321.3</b>	<b>122.2</b>	

<b>Utah County</b>																					
Alpine	580.4	99.6	23.7	16.3	20.0	740.0	2,020.0	622.6	2,137.4	568.8	18.6	3.2	0.0	590.6	0.0	561.0	1,068.7	1,629.7	2,760.0	1,130.3	t
Alpine Cove Water SSD	10.2	76.5	0.0	0.0	0.0	86.7	0.0	10.2	76.5	10.0	0.0	0.0	0.0	10.0	0.0	9.5	38.3	47.7	86.7	39.0	t
American Fork City	1,691.0	978.9	908.4	153.5	0.0	3,731.8	577.0	2,448.4	1,860.4	1,657.2	712.2	30.1	0.0	2,399.5	0.0	2,279.5	930.2	3,209.7	4,308.8	1,099.1	t



**Table 2-16 Utah Lake Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Bradford Acres Water Assoc.	3.8	0.0	0.0	0.0	0.0	3.8	15.0	3.8	15.0	3.7	0.0	0.0	0.0	3.7	0.0	3.5	7.5	11.0	18.8	7.8	s
Cedar Fort	25.8	117.9	0.6	13.9	0.2	158.4	20.0	29.3	149.1	25.3	0.5	2.7	0.0	28.5	0.0	27.1	74.6	101.6	178.4	76.8	s
Cedar Hills	327.0	161.0	13.7	5.5	0.0	507.2	1,791.0	339.1	1,959.1	320.5	10.7	1.1	0.0	332.3	0.0	315.7	979.6	1,295.2	2,298.2	1,003.0	t
Central Utah Water Conservancy District - Utah Valley	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Covered Bridge Canyon	12.7	43.7	0.0	0.0	6.3	62.7	0.0	19.0	43.7	12.4	0.0	0.0	0.0	12.4	0.0	11.8	21.9	33.7	62.7	29.0	s
Eagle Mountain Town	1,287.7	2,219.9	176.1	343.9	0.0	4,027.6	300.0	1,497.4	2,830.2	1,261.9	138.1	67.4	0.0	1,467.4	0.0	1,394.0	1,415.1	2,809.2	4,327.6	1,518.4	t
Elberta	12.5	20.0	0.0	5.0	0.0	37.5	25.0	13.5	49.0	12.3	0.0	1.0	0.0	13.2	0.0	12.6	24.5	37.1	62.5	25.4	s
Elk Ridge	145.7	339.9	0.0	0.0	0.0	485.6	0.0	145.7	339.9	142.8	0.0	0.0	0.0	142.8	0.0	135.6	170.0	305.6	485.6	180.0	t
Fairfield Irrigation Company	4.5	2.3	0.4	1.0	3.2	11.4	28.0	8.2	31.2	4.4	0.3	0.2	0.0	4.9	0.0	4.7	15.6	20.3	39.4	19.1	s
Genola	84.4	36.0	1.0	2.0	112.0	235.4	380.0	197.6	417.8	82.7	0.8	0.4	0.0	83.9	0.0	79.7	208.9	288.6	615.4	326.8	s
Goosenest Water Company	7.0	21.0	0.0	0.0	0.0	28.0	0.0	7.0	21.0	6.9	0.0	0.0	0.0	6.9	0.0	6.5	10.5	17.0	28.0	11.0	s
Goshen	61.3	138.9	0.3	2.1	52.0	254.6	125.0	114.0	265.6	60.1	0.2	0.4	0.0	60.7	0.0	57.7	132.8	190.5	379.6	189.1	s
Hidden Creek Water Company	3.8	5.0	0.0	0.0	0.0	8.8	0.0	3.8	5.0	3.7	0.0	0.0	0.0	3.7	0.0	3.5	2.5	6.0	8.8	2.8	s
Highland Water Company	908.9	120.0	70.0	320.0	22.0	1,440.9	6,000.0	1,050.9	6,390.0	890.7	54.9	62.7	0.0	1,008.3	0.0	957.9	3,195.0	4,152.9	7,440.9	3,288.0	t
Lehi	2,936.9	0.0	497.5	79.0	18.0	3,531.4	10,248.8	3,368.7	10,411.5	2,878.2	390.0	15.5	0.0	3,283.7	0.0	3,119.5	5,205.8	8,325.3	13,780.2	5,454.9	t
Lindon	613.3	115.2	266.3	18.9	126.0	1,139.7	3,621.0	956.1	3,804.6	601.0	208.8	3.7	0.0	813.5	0.0	772.8	1,902.3	2,675.1	4,760.7	2,085.6	t
Manila Culinary Water Company	447.1	766.9	90.0	20.0	0.0	1,324.0	0.0	523.1	800.9	438.2	70.6	3.9	0.0	512.6	0.0	487.0	400.5	887.5	1,324.0	436.5	t
Mapleton	501.1	1,065.8	4.5	77.5	4.5	1,653.4	800.0	524.7	1,928.7	491.1	3.5	15.2	0.0	509.8	0.0	484.3	964.4	1,448.7	2,453.4	1,004.7	t
Metropolitan Water District Of Orem	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Metropolitan Water District Of Provo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
North Fork SSD	50.0	100.0	110.0	30.0	0.0	290.0	0.0	144.0	146.0	49.0	86.2	5.9	0.0	141.1	0.0	134.1	73.0	207.1	290.0	82.9	s
Orem City	5,791.5	8,001.2	5,042.0	1,223.0	0.0	20,057.7	292.0	10,069.7	10,280.0	5,675.7	3,952.9	239.7	0.0	9,868.3	0.0	9,374.9	5,140.0	14,514.9	20,349.7	5,834.8	t
Payson	1,161.4	180.6	809.6	200.0	249.8	2,601.4	2,550.0	2,098.9	3,052.5	1,138.2	634.7	39.2	0.0	1,812.1	0.0	1,721.5	1,526.3	3,247.8	5,151.4	1,903.6	t
Pleasant Grove City	1,918.0	85.0	224.3	281.0	0.0	2,508.3	3,000.0	2,153.6	3,354.7	1,879.6	175.9	55.1	0.0	2,110.6	0.0	2,005.0	1,677.3	3,682.4	5,508.3	1,825.9	t
Provo City	7,450.1	6,211.4	9,387.0	928.3	104.4	24,081.2	1,200.0	15,249.8	10,031.4	7,301.1	7,359.4	181.9	0.0	14,842.5	0.0	14,100.3	5,015.7	19,116.1	25,281.2	6,165.1	t
Salem	402.7	35.6	87.7	1.2	0.4	527.7	1,060.0	473.5	1,114.1	394.6	68.8	0.2	0.0	463.6	4,645.8	0.0	557.1	557.1	1,587.7	1,030.6	p
Santaquin City	558.3	1,074.4	43.0	543.2	383.6	2,602.5	963.9	1,084.9	2,481.5	547.1	33.7	106.5	0.0	687.3	5,203.3	0.0	1,240.7	1,240.7	3,566.4	2,325.6	p
Saratoga Spring Municipal	1,069.2	154.6	6.0	50.0	0.0	1,279.8	2,658.5	1,084.0	2,854.3	1,047.8	4.7	9.8	0.0	1,062.3	0.0	1,009.2	1,427.2	2,436.4	3,938.3	1,501.9	t
Spanish Fork	1,875.3	98.7	195.0	339.0	117.0	2,625.0	3,650.0	2,216.1	4,058.9	1,837.8	152.9	66.4	0.0	2,057.1	0.0	1,954.3	2,029.5	3,983.7	6,275.0	2,291.3	t
Spring Lake	21.8	43.6	3.0	3.0	7.0	78.4	30.0	31.8	76.6	21.4	2.4	0.6	0.0	24.3	0.0	23.1	38.3	61.4	108.4	47.0	s
Springdell Plat A & B	6.4	10.0	0.0	1.5	0.0	17.9	0.0	6.7	11.2	6.3	0.0	0.3	0.0	6.6	0.0	6.2	5.6	11.8	17.9	6.1	t
Springville City	1,890.5	2,634.3	962.1	467.0	1,153.2	7,107.1	600.0	3,906.8	3,800.3	1,852.7	754.3	91.5	0.0	2,698.5	0.0	2,563.6	1,900.2	4,463.7	7,707.1	3,243.4	t
Utah State Hospital	0.0	0.0	0.0	61.2	0.0	61.2	75.0	12.2	124.0	0.0	0.0	12.0	0.0	12.0	0.0	11.4	62.0	73.4	136.2	62.8	t
White Hills Subdivision	31.8	62.5	6.8	0.0	0.0	101.1	0.0	37.2	63.9	31.2	5.3	0.0	0.0	36.5	0.0	34.7	31.9	66.6	101.1	34.5	s
Woodland Hills	82.0	196.9	0.0	3.3	0.0	282.2	0.0	82.7	199.5	80.4	0.0	0.6	0.0	81.0	0.0	77.0	99.8	176.7	282.2	105.5	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>31,974.1</b>	<b>25,217.3</b>	<b>18,929.0</b>	<b>5,190.3</b>	<b>2,379.6</b>	<b>83,690.3</b>	<b>42,030.2</b>	<b>50,534.9</b>	<b>75,185.6</b>	<b>31,334.6</b>	<b>14,840.3</b>	<b>1,017.3</b>	<b>0.0</b>	<b>47,192.2</b>	<b>9,849.2</b>	<b>43,739.2</b>	<b>37,592.8</b>	<b>81,332.0</b>	<b>125,720.5</b>	<b>44,388.5</b>	



**Table 2-16 Utah Lake Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Non-community Systems	50.0	0.0	652.6	53.3	150.0	905.9	0.0	732.7	173.2	49.0	511.6	10.4	0.0	571.1	0.0	542.5	86.6	629.1	905.9	276.8	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	24,571.4	24,571.4	0.0	24,571.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24,571.4	24,571.4	s
Private Domestic Systems	80.0	190.0	0.0	0.0	0.0	270.0	0.0	80.0	190.0	78.4	0.0	0.0	0.0	78.4	0.0	74.5	95.0	169.5	270.0	100.5	s
<b>COUNTY TOTALS</b>	<b>32,104.1</b>	<b>25,407.3</b>	<b>19,581.6</b>	<b>5,243.6</b>	<b>27,101.0</b>	<b>109,437.6</b>	<b>42,030.2</b>	<b>75,919.1</b>	<b>75,548.7</b>	<b>31,462.0</b>	<b>15,351.9</b>	<b>1,027.8</b>	<b>0.0</b>	<b>47,841.7</b>	<b>9,849.2</b>	<b>44,356.2</b>	<b>37,774.4</b>	<b>82,130.6</b>	<b>151,467.8</b>	<b>69,337.2</b>	

<b>Wasatch County</b>																					
Canyon Meadows	4.0	6.0	0.0	5.0	0.0	15.0	0.0	5.0	10.0	3.9	0.0	1.0	0.0	4.9	114.4	0.0	5.0	5.0	15.0	10.0	s
Center Creek Culinary Water Co.	23.4	4.9	0.0	0.0	0.0	28.3	60.0	23.4	64.9	22.9	0.0	0.0	0.0	22.9	0.0	21.8	32.5	54.2	88.3	34.1	s
Charleston WCD	50.2	70.0	10.0	10.0	10.0	150.2	66.0	70.2	146.0	49.2	7.8	2.0	0.0	59.0	0.0	56.0	73.0	129.0	216.2	87.2	s
Country Estates Mobile Homes	13.4	0.0	0.0	0.0	0.0	13.4	3.0	13.4	3.0	13.1	0.0	0.0	0.0	13.1	71.0	0.0	1.5	1.5	16.4	14.9	s
Daniel Domestic Water Company	63.3	90.9	0.0	6.0	0.6	160.8	180.0	65.1	275.7	62.0	0.0	1.2	0.0	63.2	0.0	60.0	137.9	197.9	340.8	142.9	s
Heber City Water System	744.3	935.6	320.7	178.8	41.0	2,220.4	420.0	1,077.6	1,562.8	729.4	251.4	35.0	0.0	1,015.9	39.3	956.3	781.4	1,737.6	2,640.4	902.8	p
Interlaken Mutual Water Company	38.2	32.9	0.0	0.0	0.0	71.1	0.0	38.2	32.9	37.4	0.0	0.0	0.0	37.4	0.0	35.6	16.5	52.0	71.1	19.1	s
Jordanelle Special Service District	111.2	122.5	10.2	0.0	0.0	243.9	0.0	119.4	124.5	109.0	8.0	0.0	0.0	117.0	0.0	111.1	62.3	173.4	243.9	70.5	s
Midway City Water System	265.1	384.8	21.7	37.2	9.6	718.4	650.0	299.5	1,068.9	259.8	17.0	7.3	0.0	284.1	39.3	239.1	534.5	773.6	1,368.4	594.8	p
Storm Haven	8.7	6.5	0.0	0.0	0.0	15.2	20.0	8.7	26.5	8.5	0.0	0.0	0.0	8.5	0.0	8.1	13.3	21.3	35.2	13.9	s
Swiss Alpine Water Co.	20.1	10.0	0.0	0.0	0.0	30.1	0.0	20.1	10.0	19.7	0.0	0.0	0.0	19.7	0.0	18.7	5.0	23.7	30.1	6.4	s
Timber Lakes Water SSD	132.4	0.0	0.0	0.0	0.0	132.4	0.0	132.4	0.0	129.8	0.0	0.0	0.0	129.8	0.0	123.3	0.0	123.3	132.4	9.1	s
Twin Creeks SSD	80.4	0.0	0.0	0.0	0.0	80.4	225.0	80.4	225.0	78.8	0.0	0.0	0.0	78.8	0.0	74.9	112.5	187.4	305.4	118.0	s
Wallsburg Town Water System	34.8	5.8	0.4	8.0	0.3	49.3	78.6	37.0	90.9	34.1	0.3	1.6	0.0	36.0	0.0	34.2	45.4	79.6	127.9	48.3	s
Woodland South Hills Irrigation	8.0	1.5	0.0	0.0	0.0	9.5	21.0	8.0	22.5	7.8	0.0	0.0	0.0	7.8	0.0	7.4	11.3	18.7	30.5	11.8	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>1,597.5</b>	<b>1,671.4</b>	<b>363.0</b>	<b>245.0</b>	<b>61.5</b>	<b>3,938.4</b>	<b>1,723.6</b>	<b>1,998.4</b>	<b>3,663.6</b>	<b>1,565.6</b>	<b>284.6</b>	<b>48.0</b>	<b>0.0</b>	<b>1,898.2</b>	<b>264.0</b>	<b>1,746.5</b>	<b>1,831.8</b>	<b>3,578.3</b>	<b>5,662.0</b>	<b>2,083.7</b>	
Non-community Systems	22.5	0.0	5.8	89.0	0.0	117.3	250.0	44.9	322.4	22.1	4.5	17.4	0.0	44.0	0.0	41.8	161.2	203.0	367.3	164.3	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	50.0	100.0	0.0	0.0	0.0	150.0	0.0	50.0	100.0	49.0	0.0	0.0	0.0	49.0	0.0	46.6	50.0	96.6	150.0	53.5	s
<b>COUNTY TOTALS</b>	<b>1,670.0</b>	<b>1,771.4</b>	<b>368.8</b>	<b>334.0</b>	<b>61.5</b>	<b>4,205.7</b>	<b>1,973.6</b>	<b>2,093.3</b>	<b>4,086.0</b>	<b>1,636.6</b>	<b>289.1</b>	<b>65.5</b>	<b>0.0</b>	<b>1,991.2</b>	<b>264.0</b>	<b>1,834.9</b>	<b>2,043.0</b>	<b>3,877.9</b>	<b>6,179.3</b>	<b>2,301.4</b>	

<b>BASIN COMMUNITY SYSTEMS</b>	<b>34,155.9</b>	<b>27,985.2</b>	<b>20,006.3</b>	<b>5,837.7</b>	<b>2,616.3</b>	<b>90,601.4</b>	<b>44,368.8</b>	<b>53,944.8</b>	<b>81,025.4</b>	<b>33,472.8</b>	<b>15,684.9</b>	<b>1,144.2</b>	<b>0.0</b>	<b>50,301.9</b>	<b>10,311.8</b>	<b>46,467.4</b>	<b>40,512.7</b>	<b>86,980.1</b>	<b>134,970.2</b>	<b>47,990.1</b>	
Total Non-Community Systems	76.3	0.5	659.4	145.1	150.0	1,031.3	250.0	782.8	498.5	74.8	517.0	28.4	0.0	620.2	0.0	589.2	249.2	838.4	1,281.3	442.9	
Self-Supplied Industries	0.0	0.0	0.0	0.0	24,653.9	24,653.9	0.0	24,653.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24,653.9	24,653.9	
Private Domestic Systems	190.0	390.0	0.0	0.0	0.0	580.0	0.0	190.0	390.0	186.2	0.0	0.0	0.0	186.2	0.0	176.9	195.0	371.9	580.0	208.1	
<b>UTAH LAKE BASIN TOTALS</b>	<b>34,421.2</b>	<b>28,375.7</b>	<b>20,665.7</b>	<b>5,982.8</b>	<b>27,420.2</b>	<b>116,865.6</b>	<b>44,618.8</b>	<b>79,571.5</b>	<b>81,913.9</b>	<b>33,732.8</b>	<b>16,201.9</b>	<b>1,172.6</b>	<b>0.0</b>	<b>51,107.3</b>	<b>10,311.8</b>	<b>47,232.5</b>	<b>40,957.0</b>	<b>88,189.5</b>	<b>161,484.4</b>	<b>73,295.0</b>	

**Color Code:**

	Potable Use Data
	Secondary Use Data
	Indoor/Outdoor Use Data

**Return Flow Data**

	Return Flow Data
	Delivery Data
	Depletion Data

**Treatment Facility Key:**

t = Sewage Treatment Plant  
p = Facultative Ponds/Lagoons  
s = Septic Systems/Tanks



## **2.6 Jordan River Basin**

The Jordan River Basin covers about 3,800 square miles of the north-central portion of Utah. The boundaries of the basin consist of the Traverse Mountains on the south, the Wasatch Mountains on the east, the Great Salt Lake on the north, and the Oquirrh Mountains on the west. Elevations within the basin range from approximately 4,200 feet at the shores of the Great Salt Lake to over 11,000 feet above sea level at the top of Twin Peaks in the nearby Wasatch Mountain Range.

The area entirely encompasses Salt Lake County, the most populated county of the state. The area encompasses not only the capital city of Salt Lake City, but also two of the larger cities in the state, Sandy City and West Valley City. With several other incorporated cities, as well as a large population in unincorporated areas, there is a large amount and variety of water use. This basin also includes a portion of Draper City which straddles the Salt Lake and Utah county lines and lies within Utah County.

### **2.6.1 Jordan River Basin Municipal and Industrial Water Use**

The total combined M&I water use is 369,710 ac-ft, this basin has the highest total M&I water use in Utah. Potable water use is 349,390 ac-ft, the vast majority of water type used. Non-potable water use within this area is 20,320 ac-ft, the most of which is used by large self-supplied industries such as Kennecott Utah Copper and Utah Power.

Over the last two to three decades, agricultural water use has steadily declined as urban water use has increased at an even greater rate. This has required a more rigorous accounting of general water use and the management of all water resources. However, due to the many complex agreements, exchanges, and management plans of the area, discussion of water rights and their uses are beyond the scope of this report.

The Jordan River Basin currently has 34 public community water systems serving approximately 1,031,130 people. Additionally, 33 public non-community water systems serve various facilities throughout the basin. Figure 2-6 shows the location of the water systems within the hydrologic basin. Table 2-17 is a summary of total water use in the basin.



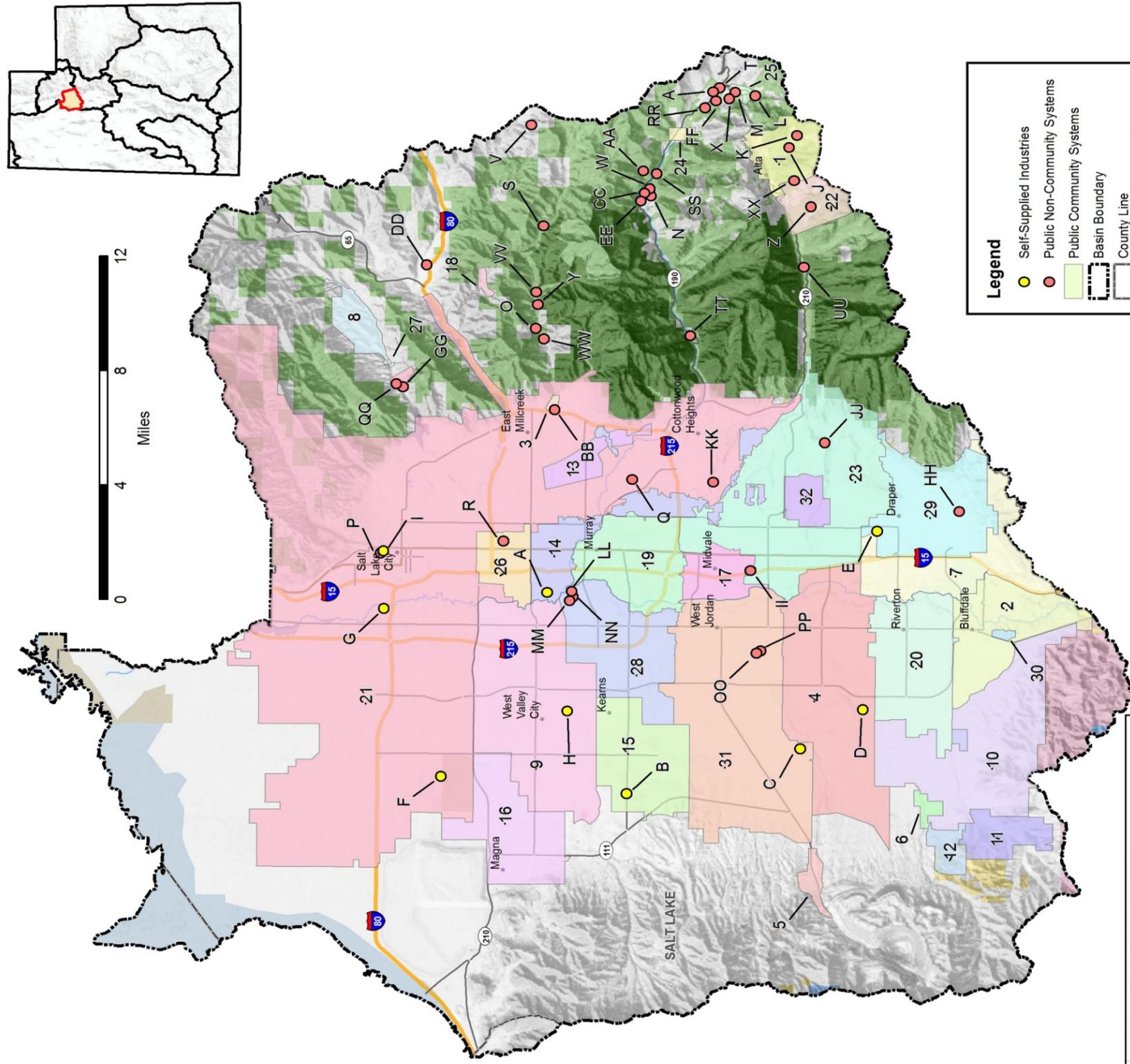


Figure 2-6 Jordan River Basin Public Water Systems

**Legend**

- Self-Supplied Industries
- Public Non-Community Systems
- Public Community Systems
- ▬ Basin Boundary
- ▬ County Line
- ▬ Interstate
- ▬ US Highway
- ▬ State Route
- ▬ Rivers & Streams

Public Community Systems	
1	Salt Lake
2	Alta Town Water System
3	Bluffdale Water System
4	Boundary Springs Water Co.
5	City of South Jordan
6	Copperton ID
7	Dansie Water Co.
8	Draper City Water System
9	Emigration Improvement District
10	Granger-Hunter ID
11	Herriman City
12	Hi-Country Estates II Homeowners Assoc.
13	Hi-Country Estates Phase I Water Co.
14	Holladay Water
15	Jordan Valley Water Conservancy District (Retail)
16	Kearns ID
17	Magna WID
18	Midvale City Water System
19	Mt Aire Subdivision
20	Murray City Water System
21	Riverton City Water System
22	Salt Lake City Corp. Culinary Water
23	Salt Lake County Service Area 3 - Snowbird
24	Sandy City Corp. Water
25	Silver Fork Pipeline Corp.
26	Silver Lake Co.
27	South Salt Lake Culinary Water
28	Spring Glen Water Company
29	Taylorsville-Bennion WID
30	Water Pro (Draper Irrigation Company)
31	Webb Well Water Users
32	West Jordan City Water
	White City WID

Self-Supplied Industries	
A	Salt Lake
B	Daily Foods
C	Hexcel Corp.
D	Interstate Brick
E	Kennecott Lands Corp.
F	Mount Jordan Limited Partnership
G	SLV Solid Waste Facility
H	Utah Power (Gadsby)
I	Winder Dairy
J	Zion Securities (Westlake Industrial)
K	Alf's Inn (Alta)
L	Alibion Basin Campground
M	Brighton LDS Summer Camp
N	Camp Tuttle
O	Cardiff A.P.O.
P	Church Fork Picnic Area
Q	Corp. of Presiding Bishop
R	Cottonwood Club
S	Distinctive Catering
T	Firs Summer Homes
U	Forest Glen - B & C
V	Forest Glen A
W	Forest Home
X	Jordan Pines Campground
Y	Lady of the Lake Subdivision
Z	Log Haven Restaurant
AA	Mid-Gad (Snowbird)
BB	Mill D Subdivision
CC	Millcreek Inn
DD	Mount Haven
EE	Mt Dell Cafe' & Golf Course
FF	Pine Tree Water Co.
GG	Redman Campground
	Ruth's Diner

HH	Salt Lake County Parks (South Mountain Well)
II	Salt Lake County Parks (Copperview Park Well)
JJ	Salt Lake County Parks (Dimple Dell Well)
KK	Salt Lake County Parks (Little Cottonwood Well)
LL	Salt Lake County Parks (Meadowbrook East Well)
MM	Salt Lake County Parks (Meadowbrook New Well)
NN	Salt Lake County Parks (Meadowbrook South Well)
OO	Salt Lake County Parks (Mountain View New Well)
PP	Salt Lake County Parks (Mountain View Old Well)
QQ	Santa Fe Water System
RR	Solitude Ski Area
SS	Spruces Campground
TT	Storm Mountain Campground
UU	Tanner's Flat Campground
VV	Terrace/Maple Grove Campground
WW	Tracy Wigwam Boy Scout Camp
XX	Watson's Shelter Water System (Alta)



**Table 2-17 Jordan River Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	229,474.7	18,095.9	<b>247,570.6</b>
Public Non-Community	4,963.4	1,441.5	<b>6,404.9</b>
Self-Supplied Industries	114,902.2	283.0	<b>115,185.2</b>
Private Domestic	50.0	0.0	<b>50.0</b>
<b>Basin Total</b>	<b>349,390.3</b>	<b>19,820.4</b>	<b>369,210.7</b>

**2.6.2 Jordan River Basin Public Community Systems - Source of Supply**

Over half of the potable water in the Jordan River Basin is supplied by surface water runoff, which is treated at several water treatment plants within the area prior to distribution and use. A large source of water also comes from wells and springs. However, specific to this basin, the State Engineer has limited total groundwater withdrawals to 165,000 acre-feet.

A large percentage of the surface water used within the Jordan River Basin is supplied from the Utah Lake Basin through extensive pipelines and canal systems. The major sources of this imported water include the Welby-Jacob Exchange (29,400 ac-ft.), the Central Utah Project (70,000-84,000 ac-ft.), as well as Deer Creek and Jordanelle reservoirs (61,700 ac-ft.). Table 2-18 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Jordan River Basin by county and source.

**Table 2-18 Jordan River Basin Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Salt Lake	6,069.0	109,267.0	176,689.0	<b>292,025.0</b>	18,095.9	<b>310,120.9</b>
Utah	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
<b>Basin Totals</b>	<b>6,069.0</b>	<b>109,267.0</b>	<b>176,689.0</b>	<b>292,025.0</b>	<b>18,095.9</b>	<b>310,120.9</b>

### 2.6.3 Jordan River Basin Public Community Systems -Water Use

Table 2-19 shows the categorical total water use and per-capita water use rates for public community systems within the Jordan River Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-19 Jordan River Basin Total and Per Capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, unless noted)

<b>County</b>	<b>Salt Lake</b>	<b>Utah</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>				
Residential Indoor	71,610.2	121.5	<b>71,731.7</b>	<b>62</b>
Residential Outdoor	88,183.6	348.5	<b>88,532.1</b>	<b>77</b>
Commercial	41,196.9	0.0	<b>41,196.9</b>	<b>36</b>
Institutional	23,121.4	0.0	<b>23,121.4</b>	<b>20</b>
Industrial/Stockwatering	4,892.6	0.0	<b>4,892.6</b>	<b>4</b>
<b>Total Potable Use</b>	<b>229,004.7</b>	<b>470.0</b>	<b>229,474.7</b>	<b>199</b>
<b>Secondary Use</b>				
Residential	12,063.2	0.0	<b>12,063.2</b>	<b>10</b>
Commercial	2,614.7	0.0	<b>2,614.7</b>	<b>2</b>
Institutional	3,418.0	0.0	<b>3,418.0</b>	<b>3</b>
Industrial/Stockwatering	0.0	0.0	<b>0.0</b>	<b>0</b>
<b>Total Secondary Use</b>	<b>18,095.9</b>	<b>0.0</b>	<b>18,095.9</b>	<b>16</b>
<b>Totals</b>	<b>247,100.6</b>	<b>470.0</b>	<b>247,570.6</b>	<b>214</b>

### 2.6.4 Jordan River Basin M&I Water Deliveries and Depletions

Table 2-20 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-20 Jordan River Basin M&I Deliveries and Depletions

**2010 JORDAN RIVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE  
(Acre-Feet/Year)**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>SALT LAKE COUNTY</b>																					
Alta Town Water System	13.50	0.00	61.70	0.00	0.00	75.2	94.7	62.9	107.0	13.2	48.4	0.0	0.0	61.6	0.0	60.4	53.5	113.9	169.9	56.0	t
Boundary Springs Water Co.	13.90	47.00	0.00	10.00	5.00	75.9	0.0	20.9	55.0	13.6	0.0	2.0	0.0	15.6	0.0	15.3	27.5	42.8	75.9	33.1	t
Copperton Improvement District	57.60	138.40	38.00	10.70	0.00	244.7	0.0	90.1	154.6	56.4	29.8	2.1	0.0	88.3	0.0	86.6	77.3	163.9	244.7	80.8	t
Dansie Water Co.	4.20	38.80	0.00	10.70	0.00	53.7	0.0	6.3	47.4	4.1	0.0	2.1	0.0	6.2	0.0	6.1	23.7	29.8	53.7	23.9	t
Emigration Improvement District	68.80	70.50	0.40	0.00	0.00	139.7	0.0	69.1	70.6	67.4	0.3	0.0	0.0	67.7	0.0	66.4	35.3	101.7	139.7	38.0	t
Hi-Country Estates Phase 1 Water Co.	24.30	30.30	0.00	0.00	0.00	54.6	5.0	24.3	35.3	23.8	0.0	0.0	0.0	23.8	0.0	23.3	17.7	41.0	59.6	18.6	t
Holladay Water Co.	818.80	2,549.00	470.90	175.00	0.00	4,013.7	185.0	1,230.5	2,968.2	802.4	369.2	34.3	0.0	1,205.9	0.0	1,181.8	1,484.1	2,665.9	4,198.7	1,532.8	t
Jordan Valley Water Cons. District - Retail	2,983.50	3,361.90	1,965.30	489.10	119.60	8,919.4	329.5	4,773.2	4,475.7	2,923.8	1,540.8	95.9	0.0	4,560.5	0.0	4,469.3	2,237.9	6,707.1	9,248.9	2,541.8	t
<i>Member Agencies:</i>																					
Bluffdale Water System	517.40	659.00	176.20	200.00	0.00	1,552.6	254.0	698.4	1,108.2	507.1	138.1	39.2	0.0	684.4	0.0	670.7	554.1	1,224.8	1,806.6	581.8	t
Draper City Water System	848.00	561.00	901.00	259.00	0.00	2,569.0	800.0	1,620.6	1,748.4	831.0	706.4	50.8	0.0	1,588.2	0.0	1,556.4	874.2	2,430.6	3,369.0	938.4	t
Draper City Water System (Utah Co.)	121.50	348.50	0.00	0.00	0.00	470.0	0.0	121.5	348.5	119.1	0.0	0.0	0.0	119.1	0.0	116.7	174.3	290.9	470.0	179.1	t
Granger-Hunter Improvement District	7,986.60	10,089.40	2,922.00	3,172.00	96.00	24,266.0	310.0	11,054.6	13,521.4	7,826.9	2,290.8	621.7	0.0	10,739.4	0.0	10,524.6	6,760.7	17,285.3	24,576.0	7,290.7	t
Herriman City	1,514.00	3,191.50	150.00	30.00	0.00	4,885.5	174.0	1,640.0	3,419.5	1,483.7	117.6	5.9	0.0	1,607.2	0.0	1,575.1	1,709.8	3,284.8	5,059.5	1,774.7	t
Hi-Country Estates II Homeowners Assoc.	38.20	68.30	0.00	0.00	0.00	106.5	0.0	38.2	68.3	37.4	0.0	0.0	0.0	37.4	0.0	36.7	34.2	70.8	106.5	35.7	t
Kearns Improvement District	3,467.60	2,044.90	596.50	122.40	0.00	6,231.4	500.0	3,969.3	2,762.1	3,398.2	467.7	24.0	0.0	3,889.9	0.0	3,812.1	1,381.1	5,193.2	6,731.4	1,538.2	t
Magna Water Improvemnet District	2,156.40	1,274.50	375.20	2.50	0.00	3,808.6	180.0	2,457.1	1,531.5	2,113.3	294.2	0.5	0.0	2,407.9	0.0	2,359.8	765.8	3,125.5	3,988.6	863.1	t
Midvale City Water Dept.	1,020.20	1,369.10	1,835.70	224.50	0.00	4,449.5	0.0	2,533.7	1,915.8	999.8	1,439.2	44.0	0.0	2,483.0	0.0	2,433.3	957.9	3,391.2	4,449.5	1,058.3	t
Riverton City Water Sytem	2,526.60	990.90	498.50	2,685.90	0.00	6,701.9	7,158.7	3,462.6	10,398.0	2,476.1	390.8	526.4	0.0	3,393.3	0.0	3,325.5	5,199.0	8,524.5	13,860.6	5,336.1	t
South Jordan City	3,509.30	5,205.90	1,986.70	1,281.80	0.00	11,983.7	1,100.0	5,355.0	7,728.7	3,439.1	1,557.6	251.2	0.0	5,247.9	0.0	5,143.0	3,864.3	9,007.3	13,083.7	4,076.4	t
South Salt Lake Culinary Water	778.50	353.10	1,232.20	0.00	0.00	2,363.8	0.0	1,764.3	599.5	762.9	966.0	0.0	0.0	1,729.0	0.0	1,694.4	299.8	1,994.2	2,363.8	369.6	t
Taylorsville-Bennion Improvement District	4,596.10	5,129.40	1,483.30	1,979.90	74.50	13,263.2	150.0	6,253.2	7,160.0	4,504.2	1,162.9	388.1	0.0	6,055.1	0.0	5,934.0	3,580.0	9,514.0	13,413.2	3,899.2	t
Water Pro (Draper Irrigation Co.)	1,788.30	3,061.70	650.00	278.00	3.50	5,781.5	3,000.0	2,367.4	6,414.1	1,752.5	509.6	54.5	0.0	2,316.6	0.0	2,270.3	3,207.1	5,477.3	8,781.5	3,304.2	t
West Jordan City Water	6,321.90	7,985.10	3,140.00	581.00	1,047.00	19,075.0	1,220.0	9,997.1	10,297.9	6,195.5	2,461.8	113.9	0.0	8,771.1	0.0	8,595.7	5,149.0	13,744.6	20,295.0	6,550.4	t
White City Water Improvement District	843.10	1,845.90	325.00	0.00	0.00	3,014.0	105.0	1,103.1	2,015.9	826.2	254.8	0.0	0.0	1,081.0	0.0	1,059.4	1,008.0	2,067.4	3,119.0	1,051.6	t
<b>Subtotal JVWCD Member Agencies</b>	38033.7	44178.2	16272.3	10817.0	1221.0	110,522.2	14,951.7	54,435.9	71,038.0	37,273.0	12,757.5	2,120.1	0.0	52,150.6	0.0	51,107.6	35,519.0	86,626.6	125,473.9	38,847.3	t
<b>Subtotal JVWCD</b>	41017.2	47540.1	18237.6	11306.1	1340.6	119,441.6	15,281.2	59,209.1	75,513.7	40,196.9	14,298.3	2,216.0	0.0	56,711.1	0.0	55,576.9	37,756.9	93,333.8	134,722.8	41,389.0	t



**Table 2-20 Jordan River Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Metropolitan Water District of Salt Lake & Sandy (MWDSLS)								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	t
<i>Member Agencies:</i>																					
Salt Lake City Corp. Dept. of Public Utilities	20,209.60	23,073.40	17,584.00	7,991.00	3,397.00	72,255.0	1,340.0	39,272.0	34,323.0	19,805.4	13,785.9	1,566.2	0.0	35,157.5	0.0	34,454.4	17,161.5	51,615.9	73,595.0	21,979.2	t
Sandy City Dept. of Public Utilities	6,980.70	11,278.50	3,239.30	2,417.40	0.00	23,915.9	880.0	10,055.6	14,740.3	6,841.1	2,539.6	473.8	0.0	9,854.5	0.0	9,657.4	7,370.1	17,027.6	24,795.9	7,768.3	t
<b>Subtotal MWDSLS Member Agencies</b>	<b>27,190.3</b>	<b>34,351.9</b>	<b>20,823.3</b>	<b>10,408.4</b>	<b>3,397.0</b>	<b>96,170.9</b>	<b>2,220.0</b>	<b>49,327.6</b>	<b>49,063.3</b>	<b>26,646.5</b>	<b>16,325.5</b>	<b>2,040.0</b>	<b>0.0</b>	<b>45,012.0</b>	<b>0.0</b>	<b>44,111.8</b>	<b>24,531.6</b>	<b>68,643.4</b>	<b>98,390.9</b>	<b>29,747.5</b>	<b>t</b>
Mt. Air Subdivision	4.00	0.00	0.00	0.00	0.00	4.0		4.0	0.0	3.9	0.0	0.0	0.0	3.9	0.0	3.8	0.0	3.8	4.0	0.2	t
Murray City Water System	2,378.60	3,723.40	1,349.50	1,200.00	150.00	8,801.5	300.0	3,848.2	5,253.3	2,331.0	1,058.0	235.2	0.0	3,624.2	0.0	3,551.8	2,626.7	6,178.4	9,101.5	2,923.1	t
Salt Lake County Service Area 3 - Snowbird	61.40	1.00	200.00	0.50	0.00	262.9	0.0	221.5	41.4	60.2	156.8	0.1	0.0	217.1	0.0	212.7	20.7	233.4	262.9	29.5	t
Silver Fork Pipeline Corp.	42.90	2.00	0.50	0.00	0.00	45.4	0.0	43.3	2.1	42.0	0.4	0.0	0.0	42.4	0.0	41.6	1.1	42.6	45.4	2.8	t
Silver Lake Co.	20.00	0.50	15.00	0.00	0.00	35.5	0.0	32.0	3.5	19.6	11.8	0.0	0.0	31.4	0.0	30.7	1.8	32.5	35.5	3.0	t
Spring Glen Water Co.	1.40	8.00	0.00	0.00	0.00	9.4	0.0	1.4	8.0	1.4	0.0	0.0	0.0	1.4	0.0	1.3	4.0	5.3	9.4	4.1	t
Webb Well Water Users	14.80	31.20	0.00	0.00	0.00	46.0	10.0	14.8	41.2	14.5	0.0	0.0	0.0	14.5	0.0	14.2	20.6	34.8	56.0	21.2	t
<b>Total Community Systems</b>	<b>71,731.7</b>	<b>88,532.1</b>	<b>41,196.9</b>	<b>23,121.4</b>	<b>4,892.6</b>	<b>229,474.7</b>	<b>18,095.9</b>	<b>114,206.1</b>	<b>133,364.5</b>	<b>70,297.1</b>	<b>32,298.4</b>	<b>4,531.8</b>	<b>0.0</b>	<b>107,127.2</b>	<b>0.0</b>	<b>104,984.7</b>	<b>66,682.3</b>	<b>171,666.9</b>	<b>247,570.6</b>	<b>75,903.7</b>	
Non-community Systems	43.8	0.0	130.8	4,788.8	0.0	4,963.4	1,441.5	1,106.2	5,298.7	42.9	102.5	938.6	0.0	1,084.1	0.0	1,062.4	2,649.3	3,711.7	6,404.9	2,693.1	t
Self Supplied Industries	0.0	0.0	0.0	114,902.2	0.0	114,902.2	283.0	115,185.2	0.0	0.0	0.0	22,520.8	0.0	22,520.8	0.0	0.0	0.0	0.0	115,185.2	115,185.2	
Private Domestic Systems	15.0	35.0	0.0	0.0	0.0	50.0	0.0	15.0	35.0	14.7	0.0	0.0	0.0	14.7	0.0	14.4	17.5	31.9	50.0	18.1	t
<b>COUNTY TOTALS</b>	<b>71,790.5</b>	<b>88,567.1</b>	<b>41,327.7</b>	<b>142,812.4</b>	<b>4,892.6</b>	<b>349,390.3</b>	<b>19,820.4</b>	<b>230,512.5</b>	<b>138,698.2</b>	<b>70,354.7</b>	<b>32,400.9</b>	<b>27,991.2</b>	<b>0.0</b>	<b>130,746.8</b>	<b>0.0</b>	<b>106,061.5</b>	<b>69,349.1</b>	<b>175,410.6</b>	<b>369,210.7</b>	<b>193,800.1</b>	
<b>Basin Community Systems</b>	<b>71,731.7</b>	<b>88,532.1</b>	<b>41,196.9</b>	<b>23,121.4</b>	<b>4,892.6</b>	<b>229,474.7</b>	<b>18,095.9</b>	<b>114,206.1</b>	<b>133,364.5</b>	<b>70,297.1</b>	<b>32,298.4</b>	<b>4,531.8</b>	<b>0.0</b>	<b>107,127.2</b>	<b>0.0</b>	<b>104,984.7</b>	<b>66,682.3</b>	<b>171,666.9</b>	<b>247,570.6</b>	<b>75,903.7</b>	
Total Non-community Systems	43.8	0.0	130.8	4,788.8	0.0	4,963.4	1,441.5	1,106.2	5,298.7	42.9	102.5	938.6	0.0	1,084.1	0.0	1,062.4	2,649.3	3,711.7	6,404.9	2,693.1	
Total Self Supplied Industries	0.0	0.0	0.0	114,902.2	0.0	114,902.2	283.0	115,185.2	0.0	0.0	0.0	22,520.8	0.0	22,520.8	0.0	0.0	0.0	0.0	115,185.2	115,185.2	
Total Private Domestic Systems	15.0	35.0	0.0	0.0	0.0	50.0	0.0	15.0	35.0	14.7	0.0	0.0	0.0	14.7	0.0	14.4	17.5	31.9	50.0	18.1	
<b>JORDAN BASIN TOTALS</b>	<b>71,790.5</b>	<b>88,567.1</b>	<b>41,327.7</b>	<b>142,812.4</b>	<b>4,892.6</b>	<b>349,390.3</b>	<b>19,820.4</b>	<b>230,512.5</b>	<b>138,698.2</b>	<b>70,354.7</b>	<b>32,400.9</b>	<b>27,991.2</b>	<b>0.0</b>	<b>130,746.8</b>	<b>0.0</b>	<b>106,061.5</b>	<b>69,349.1</b>	<b>175,410.6</b>	<b>369,210.7</b>	<b>193,800.1</b>	

Color Code:

	Potable Use Data
	Secondary Use Data
	Indoor/Outdoor Use Data

	Return Flow Data
	Delivery Data
	Depletion Data

Treatment Facility Key:

- t = Sewage Treatment Plant
- p = Facultative Ponds/Lagoons
- s = Septic Systems/Tanks



## **2.7 Sevier River Basin**

The Sevier River Basin covers approximately 10,522 square miles (about 12.5 percent of Utah) in the central-south portion of Utah. The shape of the basin generally resembles a large upside-down horseshoe and consists of high plateaus, narrow valleys, and expansive deserts. Mountains ranges of the basin generally trend from southwest to northeast. Valleys in the basin are generally long and narrow, except where the Sevier River flows into Sevier Lake. Drainage in the basin is primarily to the north and west. Because the basin offers no outward drainage, precipitation received remains in the basin.

The Sevier River Basin covers all or part of eight counties: Garfield, Iron, Juab, Kane, Millard, Piute, Sanpete, and Sevier. Furthermore, the basin encroaches into the Delta, East Fork Sevier, Fillmore, Gunnison, San Pitch, Sevier, Sevier Lake, and Upper Sevier subareas. The largest population centers are in Millard and Sevier Counties, including the cities of Delta and Richfield.

### **2.7.1 Sevier River Basin Municipal and Industrial Water Use**

The total combined M&I water use is 46,694 ac-ft in the basin. The greater amount of total water is used by several self-supplied industries within the basin. These industries utilize almost 55 percent of all water used in the basin.

The total water delivered within public community water systems is 18,407 ac-ft or approximately 40 percent of the basin water use. The 63 public community water systems serve 57,790 people (87 percent of the 67,100 total population within the basin). Figure 2-7 shows the locations of the public water systems within the basins. There are 56 public non-community water systems within the Sevier River Basin. Table 2-21 is a summary of total water use in the basin.



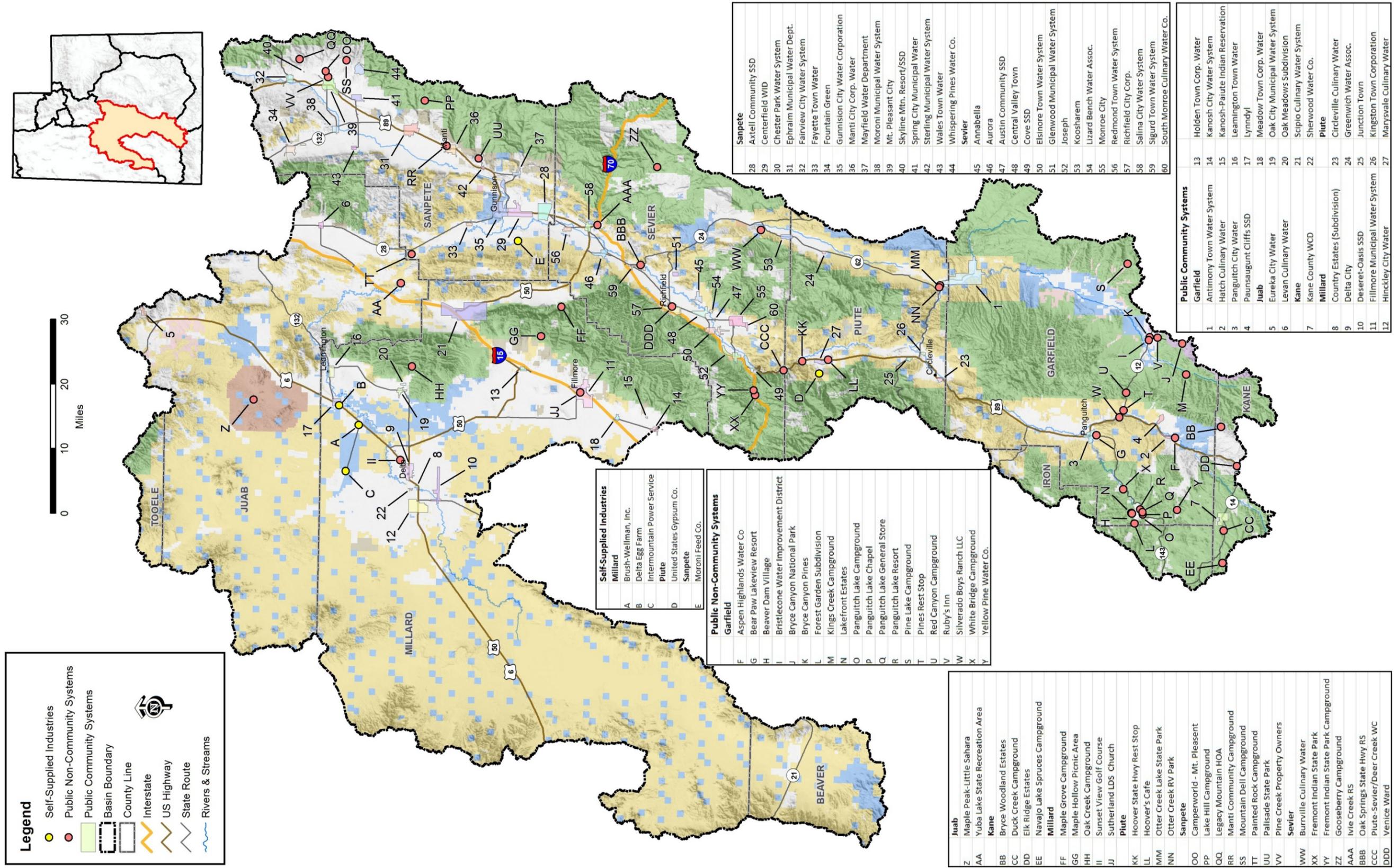


Figure 2-7 Sevier River Basin Public Water Systems



**Table 2-21 Sevier River Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	14,328.3	4,078.4	<b>18,406.7</b>
Public Non-Community	351.5	546.0	<b>897.5</b>
Self-Supplied Industries	1,735.0	23,809.2	<b>25,544.2</b>
Private Domestic	1,846.0	0.0	<b>1,846.0</b>
<b>Basin Total</b>	<b>18,260.8</b>	<b>28,433.6</b>	<b>46,694.4</b>

**2.7.2 Sevier River Basin Public Community Systems - Source of Supply**

Table 2-22 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Sevier River Basin by county and source.

**Table 2-22 Sevier River Basin Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Garfield	935.7	106.8	0.0	<b>1,042.5</b>	288.5	<b>1,331.0</b>
Iron	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
Juab	362.9	448.7	0.0	<b>811.6</b>	0.0	<b>811.6</b>
Kane	0.0	150.0	0.0	<b>150.0</b>	0.0	<b>150.0</b>
Millard	1,902.2	7,791.5	0.0	<b>9,693.7</b>	390.4	<b>10,084.1</b>
Piute	383.1	421.3	0.0	<b>804.4</b>	82.7	<b>887.1</b>
Sanpete	3,673.1	5,200.7	23.4	<b>8,897.2</b>	1,737.0	<b>10,634.2</b>
Sevier	3,396.2	3,627.4	0.0	<b>7,023.6</b>	1,579.7	<b>8,603.3</b>
<b>Basin Totals</b>	<b>10,653.2</b>	<b>17,746.3</b>	<b>23.4</b>	<b>28,422.9</b>	<b>4,078.4</b>	<b>32,501.3</b>

**2.7.3 Sevier River Basin Public Community Systems -Water Use**

Table 2-23 shows the categorical total water use and per-capita water use rates for public community systems within the Sevier River Basin. The non-potable water use is irrigation water

supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-23 Sevier River Basin Total and Per Capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, unless noted)

<b>County</b>	<b>Garfield</b>	<b>Iron</b>	<b>Juab</b>	<b>Kane</b>	<b>Millard</b>	<b>Piute</b>	<b>Sanpete</b>	<b>Sevier</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>										
Residential Indoor	132.1	0.0	109.0	76.9	696.7	99.5	1,615.2	1,266.6	<b>3,996.1</b>	<b>62</b>
Residential Outdoor	157.6	0.0	155.5	5.1	2,027.6	182.2	1,621.6	1,669.0	<b>5,818.5</b>	<b>90</b>
Commercial	128.4	0.0	2.9	12.0	319.0	43.8	293.4	624.3	<b>1,423.8</b>	<b>22</b>
Institutional	160.5	0.0	60.6	0.0	801.0	93.9	812.8	901.1	<b>2,829.9</b>	<b>44</b>
Industrial/Stockwatering	0.0	0.0	0.0	0.0	128.8	2.1	84.8	44.2	<b>259.9</b>	<b>4</b>
<b>Total Potable Use</b>	<b>578.6</b>	<b>0.0</b>	<b>328.0</b>	<b>94.0</b>	<b>3,973.0</b>	<b>421.6</b>	<b>4,427.8</b>	<b>4,505.3</b>	<b>14,328.3</b>	<b>221</b>
<b>Non-Potable Use</b>										<b>0</b>
Residential	288.5	0.0	0.0	0.0	390.4	82.7	1,710.5	1,579.7	<b>4,051.9</b>	<b>63</b>
Commercial	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
Institutional	0.0	0.0	0.0	0.0	0.0	0.0	26.5	0.0	<b>26.5</b>	<b>0</b>
Industrial/Stockwatering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>288.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>390.4</b>	<b>82.7</b>	<b>1,737.0</b>	<b>1,579.7</b>	<b>4,078.4</b>	<b>63</b>
<b>Totals</b>	<b>867.1</b>	<b>0.0</b>	<b>328.0</b>	<b>94.0</b>	<b>4,363.5</b>	<b>504.3</b>	<b>6,164.8</b>	<b>6,085.0</b>	<b>18,406.7</b>	<b>284</b>

#### 2.7.4 Sevier River Basin M&I Water Deliveries and Depletions

Table 2-24 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-24 Sevier River Basin M&I Deliveries and Depletions

**2010 SEVIER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
(Acre-Feet/Year)

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>GARFIELD COUNTY</b>																					
Antimony Water System	9.7	39.6	21.0	16.5	0.0	86.8	0.0	29.8	57.0	9.5	16.5	3.2	0.0	29.2	0.0	27.8	28.5	56.3	86.8	30.5	s
Hatch	9.7	6.4	18.9	3.4	0.0	38.4	26.0	25.5	38.9	9.5	14.8	0.7	0.0	25.0	0.0	23.8	19.4	43.2	64.4	21.2	s
Panguitch	109.0	109.0	88.5	140.6	0.0	447.1	262.5	207.9	501.7	106.8	69.4	27.6	0.0	203.8	23.1	176.6	250.8	427.4	709.6	282.2	p
Paunsagunt Cliffs Ssd	3.6	2.7	0.0	0.0	0.0	6.3	0.0	3.6	2.7	3.6	0.0	0.0	0.0	3.6	0.0	3.4	1.3	4.7	6.3	1.6	s
<b>Total Community Systems</b>	<b>132.1</b>	<b>157.6</b>	<b>128.4</b>	<b>160.5</b>	<b>0.0</b>	<b>578.6</b>	<b>288.5</b>	<b>266.9</b>	<b>600.2</b>	<b>129.4</b>	<b>100.7</b>	<b>31.5</b>	<b>0.0</b>	<b>261.6</b>	<b>23.1</b>	<b>231.5</b>	<b>300.1</b>	<b>531.6</b>	<b>867.1</b>	<b>335.5</b>	
Non-community Systems	43.0	33.7	124.4	31.8	0.0	232.9	10.0	148.9	94.0	42.1	97.6	6.2	0.0	145.9	0.0	138.6	47.0	185.6	242.9	57.3	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	40.0	60.0	0.0	0.0	0.0	100.0	0.0	40.0	60.0	39.2	0.0	0.0	0.0	39.2	0.0	37.2	30.0	67.2	100.0	32.8	s
<b>COUNTY TOTALS</b>	<b>215.0</b>	<b>251.3</b>	<b>252.8</b>	<b>192.3</b>	<b>0.0</b>	<b>911.5</b>	<b>298.5</b>	<b>455.8</b>	<b>754.2</b>	<b>210.7</b>	<b>198.2</b>	<b>37.7</b>	<b>0.0</b>	<b>446.7</b>	<b>23.1</b>	<b>407.3</b>	<b>377.1</b>	<b>784.5</b>	<b>1,210.0</b>	<b>425.5</b>	
<b>IRON COUNTY</b>																					
None	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total Community Systems</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Non-community Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>1.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.0</b>	<b>0.0</b>	<b>1.0</b>	<b>2.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.9</b>	<b>1.0</b>	<b>1.9</b>	<b>3.0</b>	<b>1.1</b>	
<b>JUAB COUNTY</b>																					
Eureka City Water	49.2	15.9	2.9	6.9	0.0	74.8	0.0	52.9	22.0	48.2	2.3	1.4	0.0	51.8	10.6	40.2	11.0	51.2	74.8	23.6	p
Levan Culinary Water	59.9	139.6	0.0	53.7	0.0	253.2	0.0	70.6	182.6	58.7	0.0	10.5	0.0	69.2	0.0	65.7	91.3	157.0	253.2	96.2	s
<b>Total Community Systems</b>	<b>109.0</b>	<b>155.5</b>	<b>2.9</b>	<b>60.6</b>	<b>0.0</b>	<b>328.0</b>	<b>0.0</b>	<b>123.5</b>	<b>204.5</b>	<b>106.8</b>	<b>2.3</b>	<b>11.9</b>	<b>0.0</b>	<b>121.0</b>	<b>10.6</b>	<b>106.0</b>	<b>102.3</b>	<b>208.2</b>	<b>328.0</b>	<b>119.8</b>	
Non-community Systems	1.2	1.8	0.0	18.5	0.0	21.5	0.0	4.9	16.6	1.2	0.0	3.6	0.0	4.8	0.0	4.6	8.3	12.9	21.5	8.6	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	15.0	30.0	0.0	0.0	0.0	45.0	0.0	15.0	30.0	14.7	0.0	0.0	0.0	14.7	0.0	14.0	15.0	29.0	45.0	16.0	s
<b>COUNTY TOTALS</b>	<b>125.2</b>	<b>187.3</b>	<b>2.9</b>	<b>79.1</b>	<b>0.0</b>	<b>394.5</b>	<b>0.0</b>	<b>143.4</b>	<b>251.1</b>	<b>122.7</b>	<b>2.3</b>	<b>15.5</b>	<b>0.0</b>	<b>140.5</b>	<b>10.6</b>	<b>124.5</b>	<b>125.6</b>	<b>250.0</b>	<b>394.5</b>	<b>144.5</b>	



Table 2-24 Sevier River Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>KANE COUNTY</b>																					
Kane County WCD	76.9	5.1	12.0	0.0	0.0	94.0	0.0	86.5	7.5	75.4	9.4	0.0	0.0	84.8	0.0	0.0	3.8	3.8	94.0	90.3	
<b>Total Community Systems</b>	<b>76.9</b>	<b>5.1</b>	<b>12.0</b>	<b>0.0</b>	<b>0.0</b>	<b>94.0</b>	<b>0.0</b>	<b>86.5</b>	<b>7.5</b>	<b>75.4</b>	<b>9.4</b>	<b>0.0</b>	<b>0.0</b>	<b>84.8</b>	<b>0.0</b>	<b>0.0</b>	<b>3.8</b>	<b>3.8</b>	<b>94.0</b>	<b>90.3</b>	
Non-community Systems	11.5	0.0	15.0	0.0	0.0	26.5	0.0	23.5	3.0	11.3	11.8	0.0	0.0	23.0	0.0	21.9	1.5	23.4	26.5	3.1	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>89.4</b>	<b>7.1</b>	<b>27.0</b>	<b>0.0</b>	<b>0.0</b>	<b>123.5</b>	<b>0.0</b>	<b>111.0</b>	<b>12.5</b>	<b>87.6</b>	<b>21.2</b>	<b>0.0</b>	<b>0.0</b>	<b>108.8</b>	<b>0.0</b>	<b>22.8</b>	<b>6.3</b>	<b>29.1</b>	<b>123.5</b>	<b>94.4</b>	

<b>MILLARD COUNTY</b>																					
Country Estates	5.2	12.5	0.0	0.0	0.0	17.7	0.0	5.2	12.5	5.1	0.0	0.0	0.0	5.1	0.0	5.0	6.3	11.3	17.7	6.5	P
Delta City	240.5	409.3	110.4	313.3	0.0	1,073.5	71.0	391.5	753.0	235.7	86.6	61.4	0.0	383.6	290.4	85.5	376.5	462.0	1,144.5	682.4	P
Deseret-Oasis SSD	29.3	68.6	0.3	13.5	0.0	111.7	0.0	32.2	79.5	28.7	0.2	2.6	0.0	31.6	0.0	30.0	39.7	69.7	111.7	41.9	s
Fillmore Municipal Water System	169.6	302.2	127.9	408.3	128.8	1,136.8	111.8	482.3	766.3	166.2	100.2	80.0	0.0	346.4	156.4	183.1	383.1	566.2	1,248.6	682.4	P
Hinkley City Water	48.6	95.4	0.0	0.0	0.0	144.0	48.7	48.6	144.0	47.7	0.0	0.0	0.0	47.7	23.2	23.5	72.0	95.5	192.6	97.2	P
Holden Town Corporation	27.4	70.0	0.0	3.5	0.0	100.9	0.0	28.1	72.8	26.8	0.0	0.7	0.0	27.5	0.0	26.1	36.4	62.5	100.9	38.3	s
Kanosh City Water System	33.5	272.6	47.0	9.2	0.0	362.2	159.0	72.9	448.3	32.8	36.8	1.8	0.0	71.4	0.0	67.9	224.2	292.0	521.2	229.2	s
Kanosh-Paiute Reservation	7.5	8.5	0.0	0.5	0.0	16.5	0.0	7.6	8.9	7.4	0.0	0.1	0.0	7.4	0.0	7.1	4.5	11.5	16.5	5.0	s
Leamington Town Water	15.6	38.5	0.0	1.2	0.0	55.3	0.0	15.8	39.5	15.2	0.0	0.2	0.0	15.5	0.0	14.7	19.7	34.4	55.3	20.8	s
Lynndyl	7.8	17.8	0.9	9.5	0.0	35.9	0.0	10.4	25.5	7.6	0.7	1.9	0.0	10.2	0.0	9.7	12.8	22.4	35.9	13.5	s
Meadow Town Corporation Water	22.6	151.5	32.5	3.1	0.0	209.7	0.0	49.3	160.4	22.2	25.5	0.6	0.0	48.3	0.0	45.9	80.2	126.1	209.7	83.6	s
Oak City Municipal Water System	38.6	412.5	0.0	9.2	0.0	460.3	0.0	40.5	419.9	37.8	0.0	1.8	0.0	39.6	0.0	37.7	209.9	247.6	460.3	212.7	s
Oak Meadows Subdivision	6.4	15.0	0.0	0.0	0.0	21.4	0.0	6.4	15.0	6.3	0.0	0.0	0.0	6.3	0.0	6.0	7.5	13.5	21.4	7.9	s
Scipio Culinary Water System	23.6	112.4	0.0	29.7	0.0	165.8	0.0	29.6	136.2	23.1	0.0	5.8	0.0	29.0	0.0	27.5	68.1	95.6	165.8	70.2	s
Sherwood Water Company	18.6	30.8	0.0	0.0	0.0	49.5	0.0	18.6	30.8	18.3	0.0	0.0	0.0	18.3	0.0	17.3	15.4	32.8	49.5	16.7	s
Sunset View Estates	2.0	10.0	0.0	0.0	0.0	12.0	0.0	2.0	10.0	2.0	0.0	0.0	0.0	2.0	0.0	1.9	5.0	6.9	12.0	5.1	s
<b>Total Community Systems</b>	<b>696.7</b>	<b>2,027.6</b>	<b>319.0</b>	<b>801.0</b>	<b>128.8</b>	<b>3,973.0</b>	<b>390.4</b>	<b>1,240.9</b>	<b>3,122.6</b>	<b>682.8</b>	<b>250.1</b>	<b>157.0</b>	<b>0.0</b>	<b>1,089.9</b>	<b>470.1</b>	<b>588.7</b>	<b>1,561.3</b>	<b>2,150.0</b>	<b>4,363.5</b>	<b>2,213.5</b>	
Non-community Systems	0.0	0.0	0.5	4.8	0.0	5.3	240.0	1.4	244.0	0.0	0.4	0.9	0.0	1.3	0.0	1.3	122.0	123.3	245.3	122.1	s
Self Supplied Industries	20.0	0.0	30.0	0.0	800.0	850.0	23,809.2	24,659.2	0.0	19.6	23.5	0.0	0.0	43.1	0.0	0.0	0.0	0.0	24,659.2	24,659.2	
Private Domestic Systems	200.0	300.0	0.0	0.0	0.0	500.0	0.0	200.0	300.0	196.0	0.0	0.0	0.0	196.0	0.0	186.2	150.0	336.2	500.0	163.8	s
<b>COUNTY TOTALS</b>	<b>916.7</b>	<b>2,327.6</b>	<b>349.5</b>	<b>805.8</b>	<b>928.8</b>	<b>5,328.4</b>	<b>24,439.7</b>	<b>26,101.5</b>	<b>3,666.5</b>	<b>898.4</b>	<b>274.0</b>	<b>157.9</b>	<b>0.0</b>	<b>1,330.3</b>	<b>470.1</b>	<b>776.2</b>	<b>1,833.3</b>	<b>2,609.5</b>	<b>29,768.0</b>	<b>27,158.6</b>	

<b>PIUTE COUNTY</b>																					
Circleville	38.9	56.3	33.8	32.2	0.0	161.1	0.0	72.3	88.8	38.1	26.5	6.3	0.0	70.9	0.0	67.3	44.4	111.7	161.1	49.4	s
Greenwich Water Assn	2.9	6.0	3.0	0.2	0.0	12.1	0.0	5.4	6.7	2.9	2.4	0.0	0.0	5.3	0.0	5.0	3.4	8.4	12.1	3.7	s
Junction	13.6	21.4	7.1	54.2	2.1	98.3	23.0	32.2	89.1	13.3	5.6	10.6	0.0	29.5	0.0	28.0	44.5	72.6	121.3	48.7	s
Kingston	12.6	28.6	0.0	4.8	0.0	45.9	59.7	13.5	92.1	12.3	0.0	0.9	0.0	13.2	0.0	12.6	46.1	58.6	105.6	47.0	s



Table 2-24 Sevier River Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Marysvale	31.6	70.0	0.0	2.6	0.0	104.2	0.0	32.1	72.1	30.9	0.0	0.5	0.0	31.5	0.0	29.9	36.1	65.9	104.2	38.3	s
<b>Total Community Systems</b>	<b>99.5</b>	<b>182.2</b>	<b>43.8</b>	<b>93.9</b>	<b>2.1</b>	<b>421.6</b>	<b>82.7</b>	<b>155.5</b>	<b>348.8</b>	<b>97.5</b>	<b>34.4</b>	<b>18.4</b>	<b>0.0</b>	<b>150.3</b>	<b>0.0</b>	<b>142.8</b>	<b>174.4</b>	<b>317.2</b>	<b>504.3</b>	<b>187.1</b>	
Non-community Systems	0.0	4.0	10.5	0.0	0.0	14.5	0.0	8.4	6.1	0.0	8.2	0.0	0.0	8.2	0.0	7.8	3.1	10.9	14.5	3.6	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	15.0	30.0	0.0	0.0	0.0	45.0	0.0	15.0	30.0	14.7	0.0	0.0	0.0	14.7	0.0	14.0	15.0	29.0	45.0	16.0	s
<b>COUNTY TOTALS</b>	<b>114.5</b>	<b>216.2</b>	<b>54.3</b>	<b>93.9</b>	<b>2.1</b>	<b>481.1</b>	<b>82.7</b>	<b>178.9</b>	<b>384.9</b>	<b>112.2</b>	<b>42.6</b>	<b>18.4</b>	<b>0.0</b>	<b>173.3</b>	<b>0.0</b>	<b>164.6</b>	<b>192.5</b>	<b>357.1</b>	<b>563.8</b>	<b>206.8</b>	

SANPETE COUNTY																					
Axtell Com Service Distri	20.1	0.0	0.0	0.3	0.0	20.4	40.0	20.2	40.2	19.7	0.0	0.1	0.0	19.8	0.0	18.8	20.1	38.9	60.4	21.5	s
Centerfield	90.7	0.0	10.0	40.0	20.0	160.7	217.5	126.7	251.5	88.9	7.8	7.8	0.0	104.5	0.0	102.4	125.8	228.2	378.2	150.0	p
Chester Park Water System	201.4	0.0	79.6	242.6	0.0	523.6	0.0	313.6	210.0	197.4	62.4	47.6	0.0	307.3	0.0	292.0	105.0	397.0	523.6	126.6	s
Ephraim	9.4	10.5	0.0	0.0	0.0	19.9	144.5	9.4	155.0	9.2	0.0	0.0	0.0	9.2	180.6	0.0	77.5	77.5	164.4	86.9	p
Fairview City Water Sys	391.7	522.9	46.8	215.6	0.7	1,177.6	98.3	472.9	803.0	383.9	36.7	42.3	0.0	462.8	0.0	439.7	401.5	841.2	1,275.9	434.8	s
Fayette	85.7	78.2	1.8	2.8	0.0	168.5	0.0	87.7	80.7	84.0	1.4	0.5	0.0	86.0	0.0	81.7	40.4	122.1	168.5	46.4	s
Fountain Green	16.0	54.9	0.1	5.1	0.0	76.1	78.4	17.1	137.4	15.7	0.1	1.0	0.0	16.8	39.4	0.0	68.7	68.7	154.5	85.8	p
Gunnison	70.8	110.6	0.0	8.9	58.3	248.6	300.5	130.9	418.2	69.4	0.0	1.7	0.0	71.2	216.7	0.0	209.1	209.1	549.1	340.0	p
Manti	220.5	256.2	78.6	5.5	3.7	564.4	275.4	288.1	551.7	216.0	61.6	1.1	0.0	278.7	65.0	208.1	275.8	484.0	839.8	355.8	p
Mayfield	36.2	0.0	0.0	1.0	0.0	37.2	44.0	36.4	44.8	35.5	0.0	0.2	0.0	35.7	0.0	33.9	22.4	56.3	81.2	24.9	s
Moroni	95.2	31.2	8.6	4.2	2.1	141.3	201.3	105.1	237.6	93.3	6.8	0.8	0.0	100.9	0.0	98.9	118.8	217.7	342.6	125.0	t
Mt. Pleasant City	227.0	318.3	64.1	232.1	0.0	841.5	271.7	324.7	788.5	222.5	50.3	45.5	0.0	318.2	160.0	151.8	394.2	546.1	1,113.2	567.1	p
Palisade Lodge	0.8	5.6	0.0	0.0	0.0	6.4	0.0	0.8	5.6	0.8	0.0	0.0	0.0	0.8	0.0	0.7	2.8	3.5	6.4	2.8	p
Skyline Mtn SSD	30.5	19.5	0.0	27.9	0.0	77.9	0.0	36.1	41.8	29.9	0.0	5.5	0.0	35.3	0.0	34.6	20.9	55.5	77.9	22.3	p
Spring City	67.9	145.6	1.5	25.2	0.0	240.1	65.4	74.1	231.4	66.6	1.2	4.9	0.0	72.6	59.1	12.1	115.7	127.8	305.5	177.7	p
Sterling Town Water Sys	17.5	28.3	1.0	1.0	0.0	47.7	0.0	18.5	29.3	17.1	0.8	0.2	0.0	18.1	0.0	17.2	14.6	31.8	47.7	15.9	s
Twin Oaks Local District	6.7	0.0	1.3	0.3	0.0	8.3	0.0	7.8	0.5	6.6	1.1	0.1	0.0	7.7	0.0	7.3	0.3	7.5	8.3	0.8	s
Wales Town Water System	20.2	40.0	0.0	0.3	0.0	60.5	0.0	20.3	40.2	19.8	0.0	0.1	0.0	19.9	0.0	18.9	20.1	39.0	60.5	21.5	s
Whispering Pines Water Co.	6.9	0.0	0.0	0.0	0.0	6.9	0.0	6.9	0.0	6.8	0.0	0.0	0.0	6.8	0.0	6.5	0.0	6.5	6.9	0.5	s
<b>Total Community Systems</b>	<b>1,615.2</b>	<b>1,621.6</b>	<b>293.4</b>	<b>812.8</b>	<b>84.8</b>	<b>4,427.8</b>	<b>1,737.0</b>	<b>2,097.3</b>	<b>4,067.4</b>	<b>1,582.9</b>	<b>230.0</b>	<b>159.3</b>	<b>0.0</b>	<b>1,972.2</b>	<b>720.8</b>	<b>1,524.6</b>	<b>2,033.7</b>	<b>3,558.3</b>	<b>6,164.8</b>	<b>2,606.4</b>	
Non-community Systems	8.5	4.9	9.6	0.0	0.0	23.0	296.0	16.2	302.8	8.3	7.5	0.0	0.0	15.9	0.0	15.1	151.4	166.5	319.0	152.5	s
Self Supplied Industries	42.7	0.0	0.0	0.0	811.7	854.4	0.0	854.4	0.0	41.9	0.0	0.0	0.0	41.9	0.0	0.0	0.0	0.0	854.4	854.4	
Private Domestic Systems	250.0	400.0	0.0	0.0	0.0	650.0	0.0	250.0	400.0	245.0	0.0	0.0	0.0	245.0	0.0	232.8	200.0	432.8	650.0	217.3	s
<b>COUNTY TOTALS</b>	<b>1,916.4</b>	<b>2,026.4</b>	<b>303.0</b>	<b>812.8</b>	<b>896.5</b>	<b>5,955.2</b>	<b>2,033.0</b>	<b>3,217.9</b>	<b>4,770.2</b>	<b>1,878.1</b>	<b>237.6</b>	<b>159.3</b>	<b>0.0</b>	<b>2,275.0</b>	<b>720.8</b>	<b>1,772.4</b>	<b>2,385.1</b>	<b>4,157.5</b>	<b>7,988.2</b>	<b>3,830.6</b>	

SEVIER COUNTY																					
Annabella	52.9	35.6	0.0	0.0	0.0	88.5	106.9	52.9	142.5	51.8	0.0	0.0	0.0	51.8	0.0	49.2	71.3	120.5	195.4	74.9	s
Aurora	70.0	16.5	6.6	65.9	0.0	159.0	160.5	88.4	231.0	68.6	5.2	12.9	0.0	86.6	44.2	40.7	115.5	156.2	319.5	163.3	p
Austin SSD	7.7	10.7	0.0	0.0	0.0	18.4	11.3	7.7	21.9	7.6	0.0	0.0	0.0	7.6	0.0	7.2	11.0	18.2	29.7	11.5	s



Table 2-24 Sevier River Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Central Waterworks Co	37.0	122.1	0.0	1.1	0.0	160.3	0.0	37.2	123.0	36.3	0.0	0.2	0.0	36.5	0.0	34.7	61.5	96.2	160.3	64.1	s
Cove Special Service Dist	7.7	49.3	27.0	0.0	0.0	84.0	0.0	29.3	54.7	7.5	21.2	0.0	0.0	28.7	0.0	27.3	27.4	54.6	84.0	29.4	s
Elsinore	59.8	215.0	8.5	28.2	12.8	324.3	0.0	85.0	239.3	58.6	6.7	5.5	0.0	70.8	0.0	67.2	119.6	186.9	324.3	137.4	s
Glenwood Town Water Sys	32.8	43.7	5.2	4.7	0.0	86.2	50.4	37.8	98.8	32.1	4.0	0.9	0.0	37.0	0.0	35.2	49.4	84.6	136.6	52.0	s
Joseph	23.3	72.4	3.8	42.7	0.0	142.2	16.6	34.8	123.9	22.8	3.0	8.4	0.0	34.1	0.0	32.4	61.9	94.4	158.7	64.4	s
Koosharem	23.2	79.2	0.0	32.3	0.0	134.7	12.3	29.6	117.3	22.7	0.0	6.3	0.0	29.0	0.0	27.6	58.7	86.3	147.0	60.7	s
Lizard Bench Water Assn.	4.2	3.0	0.0	2.5	0.0	9.7	0.0	4.7	5.0	4.2	0.0	0.5	0.0	4.6	0.0	4.4	2.5	6.9	9.7	2.8	s
Monroe City	155.5	57.0	36.0	37.4	0.0	286.0	360.4	191.8	454.6	152.4	28.3	7.3	0.0	188.0	0.0	178.6	227.3	405.9	646.4	240.5	s
Redmond	51.4	76.2	10.6	47.2	0.0	185.5	74.3	69.3	190.4	50.4	8.3	9.3	0.0	68.0	35.6	31.0	95.2	126.2	259.8	133.6	p
Richfield City	531.1	830.0	424.6	614.1	0.0	2,399.8	371.0	993.6	1,777.2	520.5	332.8	120.4	0.0	973.7	654.3	299.9	888.6	1,188.5	2,770.8	1,582.3	p
Salina	178.5	15.4	100.7	17.6	0.0	312.1	367.6	262.6	417.2	174.9	79.0	3.4	0.0	257.3	245.8	6.4	208.6	215.0	679.7	464.7	p
Sigurd	29.7	28.9	1.3	7.5	0.7	68.1	48.6	32.9	83.8	29.1	1.0	1.5	0.0	31.6	0.0	30.0	41.9	71.9	116.7	44.8	s
South Monroe	2.0	13.9	0.0	0.0	30.7	46.6	0.0	32.7	13.9	2.0	0.0	0.0	0.0	2.0	0.0	1.9	7.0	8.8	46.6	37.8	s
<b>Total Community Systems</b>	<b>1,266.6</b>	<b>1,669.0</b>	<b>624.3</b>	<b>901.1</b>	<b>44.2</b>	<b>4,505.3</b>	<b>1,579.7</b>	<b>1,990.5</b>	<b>4,094.5</b>	<b>1,241.3</b>	<b>489.4</b>	<b>176.6</b>	<b>0.0</b>	<b>1,907.3</b>	<b>979.9</b>	<b>873.6</b>	<b>2,047.3</b>	<b>2,920.9</b>	<b>6,085.0</b>	<b>3,164.1</b>	
Non-community Systems	5.8	10.5	11.5	0.0	0.0	27.8	0.0	15.0	12.8	5.7	9.0	0.0	0.0	14.7	0.0	14.0	6.4	20.4	27.8	7.4	s
Self Supplied Industries	29.3	0.0	0.0	0.0	1.3	30.6	0.0	30.6	0.0	28.7	0.0	0.0	0.0	28.7	0.0	0.0	0.0	0.0	30.6	30.6	
Private Domestic Systems	200.0	300.0	0.0	0.0	0.0	500.0	0.0	200.0	300.0	196.0	0.0	0.0	0.0	196.0	0.0	186.2	150.0	336.2	500.0	163.8	s
<b>COUNTY TOTALS</b>	<b>1,501.7</b>	<b>1,979.5</b>	<b>635.8</b>	<b>901.1</b>	<b>45.5</b>	<b>5,063.6</b>	<b>1,579.7</b>	<b>2,236.0</b>	<b>4,407.3</b>	<b>1,471.7</b>	<b>498.5</b>	<b>176.6</b>	<b>0.0</b>	<b>2,146.8</b>	<b>979.9</b>	<b>1,073.8</b>	<b>2,203.7</b>	<b>3,277.4</b>	<b>6,643.4</b>	<b>3,365.9</b>	
<b>Basin Community Systems</b>	<b>3,996.1</b>	<b>5,818.5</b>	<b>1,423.8</b>	<b>2,829.9</b>	<b>259.9</b>	<b>14,328.3</b>	<b>4,078.4</b>	<b>5,961.1</b>	<b>12,445.6</b>	<b>3,916.2</b>	<b>1,116.2</b>	<b>554.7</b>	<b>0.0</b>	<b>5,587.1</b>	<b>2,204.5</b>	<b>3,467.2</b>	<b>6,222.8</b>	<b>9,690.0</b>	<b>18,406.7</b>	<b>8,716.7</b>	
Total Non-community Systems	69.9	54.9	171.6	55.2	0.0	351.5	546.0	218.2	679.3	68.5	134.5	10.8	0.0	213.9	0.0	203.2	339.6	542.8	897.5	354.7	
Total Self Supplied Industries	92.0	0.0	30.0	0.0	1,613.0	1,735.0	23,809.2	25,544.2	0.0	90.2	23.5	0.0	0.0	113.7	0.0	0.0	0.0	0.0	25,544.2	25,544.2	
Total Private Domestic Systems	722.0	1,124.0	0.0	0.0	0.0	1,846.0	0.0	722.0	1,124.0	707.6	0.0	0.0	0.0	707.6	0.0	672.2	562.0	1,234.2	1,846.0	611.8	
<b>SEVIER BASIN TOTALS</b>	<b>4,880.1</b>	<b>6,997.4</b>	<b>1,625.4</b>	<b>2,885.1</b>	<b>1,872.9</b>	<b>18,260.8</b>	<b>28,433.6</b>	<b>32,445.5</b>	<b>14,248.9</b>	<b>4,782.5</b>	<b>1,274.3</b>	<b>565.5</b>	<b>0.0</b>	<b>6,622.2</b>	<b>2,204.5</b>	<b>4,342.5</b>	<b>7,124.4</b>	<b>11,467.0</b>	<b>46,694.4</b>	<b>35,227.4</b>	

Color Code:

	Potable Use Data
	Secondary Use Data
	Indoor/Outdoor Use Data

	Return Flow Data
	Delivery Data
	Depletion Data

Treatment Facility Key:

- t = Sewage Treatment Plant
- p = Facultative Ponds/Lagoons
- s = Septic Systems/Tanks



## **2.8 Cedar/Beaver Basin**

The Cedar/Beaver Basin covers approximately 5,560 square miles. With the exception of 38,500 acres in Nevada, whose water use (if any) is not included, the basin is located in southwestern Utah, bounded on the east by the Tushar Mountains and the Markagunt Plateau. The northern perimeter of the basin is defined by Black Rock Cap and the northern side of Clear Lake. The physical boundaries of the basin on the west are a series of mountain ranges including the Cricket Mountains, the San Francisco Mountains, the Wah Wah Mountains, and the Indian Peak Mountains in Nevada. The basin is contained on the south by the Bull Valley Mountains and the Harmont Mountains.

The basin spans all or part of five counties including Millard, Beaver, Iron, Washington, and a small portion of Garfield County. The largest population centers are in Beaver and Iron Counties, including the cities of Beaver and Cedar City.

### **2.8.1 Cedar/Beaver Basin Municipal and Industrial Water Use**

The total combined M&I water use is 32,408 acre-feet (ac-ft) in the basin; potable water use is 15,919 ac-ft, with the remaining 16,489 ac-ft being non-potable water. Self-supplied industries utilize a large majority of this volume using 13,292 ac-ft of non-potable water.

The total water delivered within public community water systems is 15,636 ac-ft or approximately 48 percent of the basin water use. The 24 public community water systems serve 50,130 people (90 percent of the 54,110 total population within the basin). Figure 2-8 shows the locations of the public water systems within the basins. There are 25 public non-community water systems within the Cedar\Beaver Basin. Table 2-25 is a summary of total water use in the basin.



Self-Supplied Industries		Public Community Systems	
	<b>Beaver</b>		<b>Beaver</b>
A	Circle Four Blue Mountain North	1	Beaver City Water System
B	Circle Four Skyline	2	Manderfield Culinary Water System
C	Circle Four West Skyline	3	Milford City Water
D	Intermountain Geothermal	4	Minersville Water System
E	Intermountain Renewable Power		<b>Iron</b>
F	<b>Iron</b>	5	Brian Head Water System
G	American Pacific Corp (Western Electrochemical Company)	6	Buena Vista Community
H	Circle Four Blue Mountain South	7	Cedar City Waterworks
	Milgro New Castle Inc.	8	Cedar Highlands
	<b>Public Non-Community Systems</b>	9	Central Iron County WCD
I	<b>Beaver</b>	10	Cross Hollow Hills
J	Anderson Meadow Campground	11	Enoch City Water System
K	Arrowhead Corporation	12	Escalante Valley Housing
L	Beaver Camperland	13	Flying L Subdivision
M	Beaver KOA Campground	14	Meadows Ranch
N	Big Flat Guard Station	15	Mid-Valley Estates
O	Elk Meadows SSD	16	Monte Vista Community & Water Co.
P	Greenville Ward	17	Newcastle Water Co.
Q	Hi-Lo Estates	18	Old Meadow Ranchos Community & Water Co.
R	Kents Lake Campground	19	Paragonah Municipal Water System
S	Little Cottonwood Campground	20	Parowan Municipal System
T	Little Reservoir Campground	21	Rainbow Ranchos Water Co.
U	Mahogany Cove Campground	22	Spring Creek Water Users
V	Minersville Lake County Park	23	Summit Special Service District
W	Ponderosa Picnic Ground	24	<b>Washington</b>
	<b>Iron</b>		Enterprise Culinary Water System
W	Cedar Breaks National Monument		
X	Cedar Canyon Campground		
Y	Deer Haven Campground		
Z	Escalante Valley School		
AA	Lunt Park State Hwy Rest Stop		
BB	Thunder Ridge Scout Camp		
CC	Woods Ranch		
DD	Yankee Meadows Campground		
	<b>Millard</b>		
EE	Cove Fort Chevron		
FF	Cove Fort LDS Historic		
GG	Cove Fort RV Park		
	<b>Washington</b>		
HH	Honeycomb Rocks Campground		

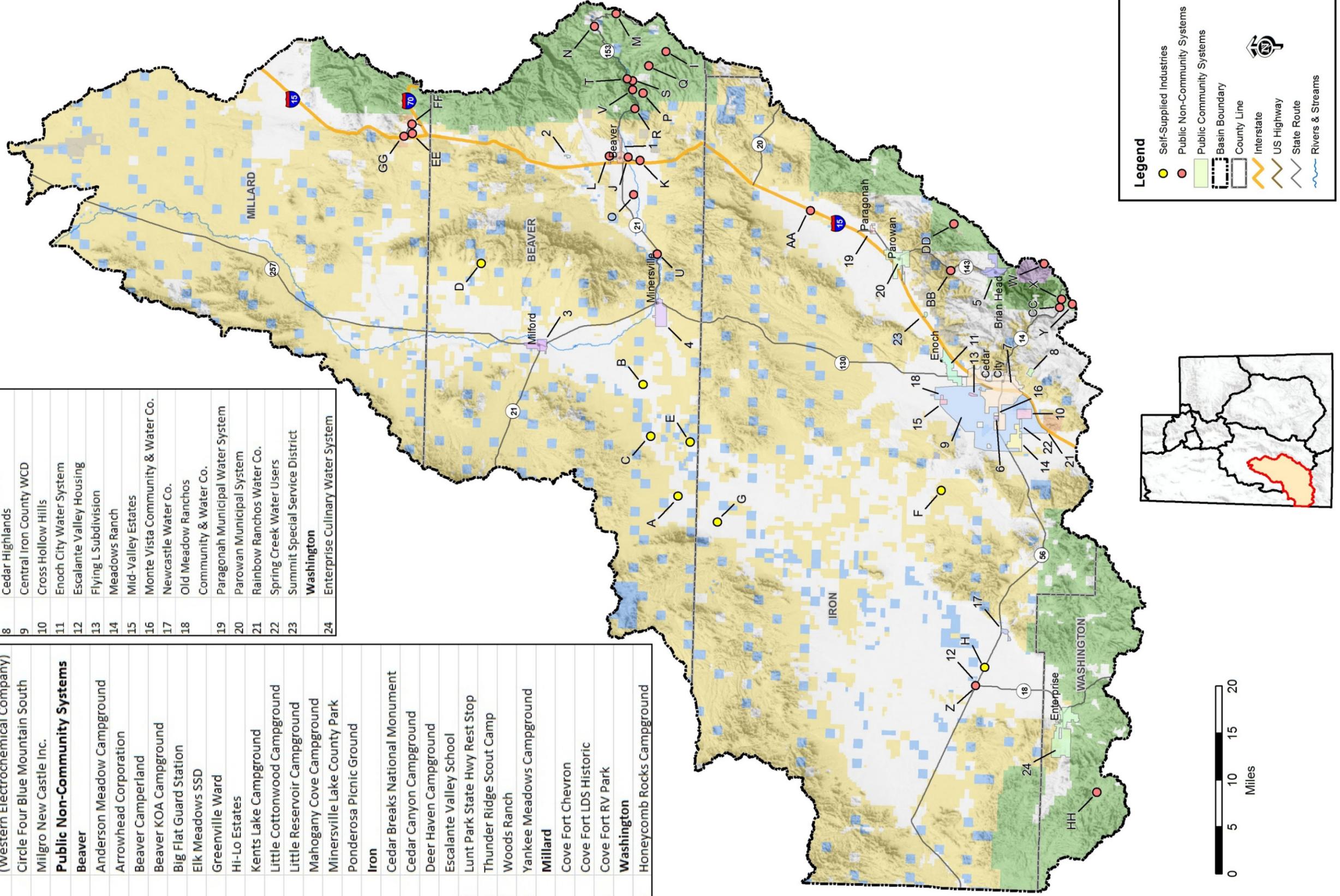


Figure 2-8 Cedar/Beaver Basin Public Water Systems



**Table 2-25 Cedar\Beaver Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	12,461.4	3,174.4	<b>15,635.8</b>
Public Non-Community	147.8	21.8	<b>169.6</b>
Self-Supplied Industries	2,472.5	13,292.3	<b>15,764.8</b>
Private Domestic	838.0	0.0	<b>838.0</b>
<b>Basin Totals</b>	<b>15,919.7</b>	<b>16,488.5</b>	<b>32,408.2</b>

**2.8.2 Cedar/Beaver Basin Public Community Systems – Source of Supply**

Table 2-26 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Cedar/Beaver Basin by county and source.

**Table 2-26 Cedar\Beaver Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Beaver	1,019.6	3,935.0	0.0	<b>4,954.6</b>	607.5	<b>5,562.1</b>
Iron	4,268.6	15,753.0	0.0	<b>20,021.6</b>	2,566.9	<b>22,588.5</b>
Millard	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
Washington	880.0	1,600.0	0.0	<b>2,480.0</b>	0.0	<b>2,480.0</b>
<b>Basin Totals</b>	<b>6,168.2</b>	<b>21,288.0</b>	<b>0.0</b>	<b>27,456.2</b>	<b>3,174.4</b>	<b>30,630.6</b>

**2.8.3 Cedar/Beaver Basin Public Community Systems - Water Use**

Table 2-27 shows the categorical total water use and per-capita water use rates for public community systems within the Cedar\Beaver Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-27 Cedar\Beaver Basin Total and Per-capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, unless noted)

<b>County</b>	<b>Beaver</b>	<b>Iron</b>	<b>Millard</b>	<b>Washington</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>						
Residential Indoor	355.3	2,786.7	0.0	95.9	<b>3,237.9</b>	<b>58</b>
Residential Outdoor	1,034.2	4,419.1	0.0	492.1	<b>5,945.4</b>	<b>106</b>
Commercial	404.5	1,484.1	0.0	20.2	<b>1,908.8</b>	<b>34</b>
Institutional	200.4	713.8	0.0	167.1	<b>1,081.3</b>	<b>19</b>
Industrial/Stockwatering	109.1	178.5	0.0	0.2	<b>287.9</b>	<b>5</b>
<b>Total Potable Use</b>	<b>2,103.5</b>	<b>9,582.3</b>	<b>0.0</b>	<b>775.6</b>	<b>12,461.4</b>	<b>222</b>
<b>Non-Potable Use</b>						
Residential	292.6	1,751.7	0.0	0.0	<b>2,044.3</b>	<b>36</b>
Commercial	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
Institutional	314.9	815.1	0.0	0.0	<b>1,130.1</b>	<b>20</b>
Industrial/Stockwatering	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>607.5</b>	<b>2,566.9</b>	<b>0.0</b>	<b>0.0</b>	<b>3,174.4</b>	<b>57</b>
<b>Basin Total Water Use</b>	<b>2,711.0</b>	<b>12,149.1</b>	<b>0.0</b>	<b>775.6</b>	<b>15,635.7</b>	<b>278</b>

**2.8.4 Cedar/Beaver Basin M&I Water Deliveries and Depletions**

Table 2-28 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-28 Cedar\Beaver Basin M&I Deliveries and Depletions

**2010 CEDAR/BEAVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
**(Acre-Foot/Year)**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type	
<b>Beaver County</b>																						
Beaver City Water System	202.2	688.6	293.0	23.0	12.0	1,218.8	322.8	453.2	1,088.4	198.2	229.7	4.5	0.0	432.4	116.2	307.5	544.2	851.7	1,541.6	689.9	p	
Manderfield Culinary Water System	2.9	10.6	0.0	0.0	6.2	19.7	0.0	9.1	10.6	2.8	0.0	0.0	0.0	2.8	0.0	2.7	5.3	8.0	19.7	11.7	s	
Milford City Water System	94.3	205.7	108.9	3.6	22.2	434.7	198.7	204.3	429.0	92.4	85.4	0.7	0.0	178.5	38.8	136.2	214.5	350.7	633.4	282.7	p	
Minersville Water System	55.9	129.3	2.6	173.8	68.7	430.3	86.0	161.4	354.9	54.8	2.1	34.1	0.0	90.9	15.2	73.9	177.4	251.4	516.3	264.9	p	
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>355.3</b>	<b>1,034.2</b>	<b>404.5</b>	<b>200.4</b>	<b>109.1</b>	<b>2,103.5</b>	<b>607.5</b>	<b>828.1</b>	<b>1,882.9</b>	<b>348.2</b>	<b>317.2</b>	<b>39.3</b>	<b>0.0</b>	<b>704.6</b>	<b>170.2</b>	<b>520.3</b>	<b>941.5</b>	<b>1,461.7</b>	<b>2,711.0</b>	<b>1,249.3</b>		
Non-community Systems	4.0	8.5	11.5	2.1	0.0	26.1	16.3	13.6	28.8	3.9	9.0	0.4	0.0	13.3	0.0	12.7	14.4	27.1	42.4	15.3	s	
Self-Supplied Industries	12.9	0.0	0.0	0.0	1,710.4	1,723.3	10,603.2	12,326.5	0.0	12.6	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	12,326.5	12,326.5	s	
Private Domestic Systems	75.0	200.0	0.0	0.0	0.0	275.0	0.0	75.0	200.0	73.5	0.0	0.0	0.0	73.5	0.0	69.8	100.0	169.8	275.0	105.2	s	
<b>COUNTY TOTALS</b>	<b>447.2</b>	<b>1,242.7</b>	<b>416.0</b>	<b>202.5</b>	<b>1,819.5</b>	<b>4,127.9</b>	<b>11,227.0</b>	<b>13,243.2</b>	<b>2,111.7</b>	<b>438.3</b>	<b>326.2</b>	<b>39.7</b>	<b>0.0</b>	<b>804.1</b>	<b>170.2</b>	<b>602.8</b>	<b>1,055.8</b>	<b>1,658.6</b>	<b>15,354.9</b>	<b>13,696.3</b>		

<b>Iron County</b>																						
Brian Head Water Supply	47.6	0.0	93.8	1.0	0.0	142.4	0.0	122.9	19.6	46.7	73.6	0.2	0.0	120.4	68.2	49.8	9.8	59.5	142.4	82.9	p	
Buena Vista Community	37.8	97.2	0.0	0.0	0.0	135.0	0.0	37.8	97.2	37.0	0.0	0.0	0.0	37.0	0.0	35.2	48.6	83.8	135.0	51.2	s	
Cedar City Municipal Water	1,792.2	2,122.9	1,246.6	601.8	125.6	5,889.1	1,526.7	3,035.5	4,380.3	1,756.4	977.3	118.0	0.0	2,851.7	1,020.5	1,774.1	2,190.2	3,964.3	7,415.8	3,451.5	p	
Cedar Highlands Homeowners Assoc.	34.0	0.0	0.0	0.0	0.0	34.0	0.0	34.0	0.0	33.3	0.0	0.0	0.0	33.3	0.0	31.7	0.0	31.7	34.0	2.3	s	
Central Iron County WCD	104.3	200.7	0.0	0.0	0.0	305.0	0.0	104.3	200.7	102.2	0.0	0.0	0.0	102.2	0.0	97.1	100.3	197.4	305.0	107.5	s	
Cross Hollow Hills Water Users Assoc.	49.6	0.0	0.0	2.5	0.0	52.1	0.0	50.1	2.0	48.6	0.0	0.5	0.0	49.1	0.0	46.6	1.0	47.6	52.1	4.5	s	
Enoch Municipal Water System	351.0	1,447.4	14.4	65.6	0.7	1,879.1	159.0	376.4	1,661.8	344.0	11.3	12.9	0.0	368.1	114.7	246.1	830.9	1,077.0	2,038.1	961.2	p	
Escalante Valley Water System	3.9	3.9	0.0	0.0	0.0	7.8	0.0	3.9	3.9	3.8	0.0	0.0	0.0	3.8	0.0	3.6	2.0	5.6	7.8	2.2	s	
Flying L Subdivision	4.8	7.0	0.0	0.0	0.2	12.0	0.0	5.0	7.0	4.7	0.0	0.0	0.0	4.7	11.5	0.0	3.5	3.5	12.0	8.5	p	
Meadows Ranches Homeowners Assoc., Inc.	19.5	93.4	0.0	0.1	0.5	113.5	0.0	20.0	93.5	19.1	0.0	0.0	0.0	19.1	0.0	18.2	46.7	64.9	113.5	48.6	s	
Mid Valley Estates Water Co.	48.7	75.2	0.0	0.0	0.0	123.9	0.0	48.7	75.2	47.7	0.0	0.0	0.0	47.7	0.0	45.3	37.6	82.9	123.9	41.0	s	
Monte Vista Community & Water Co.	7.9	41.3	0.0	2.0	0.4	51.6	0.0	8.7	42.9	7.7	0.0	0.4	0.0	8.1	0.0	7.7	21.5	29.2	51.6	22.4	s	
Newcastle Water Co.	24.7	50.5	46.2	0.4	5.5	127.3	35.3	67.2	95.4	24.2	36.2	0.1	0.0	60.5	0.0	57.5	47.7	105.2	162.6	57.4	s	
Old Meadow Ranchos Community & Water Co.	2.9	52.1	0.0	0.0	25.0	80.0	0.0	27.9	52.1	2.8	0.0	0.0	0.0	2.8	0.0	2.7	26.1	28.7	80.0	51.3	s	
Paragonah Municipal Water System	32.8	22.2	0.0	1.3	0.0	56.3	185.5	33.1	208.7	32.1	0.0	0.2	0.0	32.4	0.0	30.8	104.4	135.1	241.8	106.6	s	
Parowan Municipal System	184.4	118.9	83.1	24.9	4.2	415.5	660.4	260.1	815.8	180.7	65.2	4.9	0.0	250.7	68.2	177.5	407.9	585.4	1,075.9	490.5	p	
Rainbow Ranchos Water Co.	14.5	18.6	0.0	4.2	1.1	38.4	0.0	16.4	22.0	14.2	0.0	0.8	0.0	15.0	0.0	14.3	11.0	25.3	38.4	13.1	s	
Spring Creek Water Users	15.7	27.3	0.0	0.0	0.3	43.3	0.0	16.0	27.3	15.4	0.0	0.0	0.0	15.4	0.0	14.6	13.7	28.3	43.3	15.0	s	
Summit SSD	10.4	40.6	0.0	10.0	15.0	76.0	0.0	27.4	48.6	10.2	0.0	2.0	0.0	12.2	0.0	11.5	24.3	35.8	76.0	40.2	s	
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>2,786.7</b>	<b>4,419.1</b>	<b>1,484.1</b>	<b>713.8</b>	<b>178.5</b>	<b>9,582.3</b>	<b>2,566.9</b>	<b>4,295.3</b>	<b>7,853.9</b>	<b>2,731.0</b>	<b>1,163.5</b>	<b>139.9</b>	<b>0.0</b>	<b>4,034.4</b>	<b>1,283.2</b>	<b>2,664.3</b>	<b>3,926.9</b>	<b>6,591.2</b>	<b>12,149.2</b>	<b>5,558.0</b>		



**Table 2-28 Cedar\Beaver Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
Non-community systems	0.2	0.0	0.0	71.6	0.0	71.8	0.0	14.5	57.3	0.2	0.0	14.0	0.0	14.2	0.0	13.5	28.6	42.2	71.8	29.6	s
Self-Supplied Industries	21.1	0.0	54.9	0.0	673.2	749.2	2,689.1	3,438.3	0.0	20.7	43.0	0.0	0.0	63.7	0.0	0.0	0.0	0.0	3,438.3	3,438.3	s
Private Domestic Systems	200.0	350.0	0.0	0.0	0.0	550.0	0.0	200.0	350.0	196.0	0.0	0.0	0.0	196.0	0.0	186.2	175.0	361.2	550.0	188.8	s
<b>COUNTY TOTALS</b>	<b>3,008.0</b>	<b>4,769.1</b>	<b>1,539.0</b>	<b>785.4</b>	<b>851.7</b>	<b>10,953.3</b>	<b>5,256.0</b>	<b>7,948.1</b>	<b>8,261.2</b>	<b>2,947.9</b>	<b>1,206.6</b>	<b>153.9</b>	<b>0.0</b>	<b>4,308.4</b>	<b>1,283.2</b>	<b>2,864.0</b>	<b>4,130.6</b>	<b>6,994.6</b>	<b>16,209.3</b>	<b>9,214.7</b>	

<b>Millard County</b>																					
(none)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Non-community Systems	7.8	0.0	0.0	42.0	0.0	49.8	5.5	16.2	39.1	7.6	0.0	8.2	0.0	15.9	0.0	15.1	19.6	34.6	55.3	20.7	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>8.8</b>	<b>2.0</b>	<b>0.0</b>	<b>42.0</b>	<b>0.0</b>	<b>52.8</b>	<b>5.5</b>	<b>17.2</b>	<b>41.1</b>	<b>8.6</b>	<b>0.0</b>	<b>8.2</b>	<b>0.0</b>	<b>16.9</b>	<b>0.0</b>	<b>16.0</b>	<b>20.6</b>	<b>36.6</b>	<b>58.3</b>	<b>21.7</b>	

<b>Washington County</b>																					
Enterprise	95.9	492.1	20.2	167.1	0.2	775.6	0.0	145.7	629.8	94.0	15.9	32.8	0.0	142.6	58.9	80.9	314.9	395.8	775.6	379.8	p
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>95.9</b>	<b>492.1</b>	<b>20.2</b>	<b>167.1</b>	<b>0.2</b>	<b>775.6</b>	<b>0.0</b>	<b>145.7</b>	<b>629.8</b>	<b>94.0</b>	<b>15.9</b>	<b>32.8</b>	<b>0.0</b>	<b>142.6</b>	<b>58.9</b>	<b>80.9</b>	<b>314.9</b>	<b>395.8</b>	<b>775.6</b>	<b>379.8</b>	
Non-community Systems	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	4.0	6.0	0.0	0.0	0.0	10.0	0.0	4.0	6.0	3.9	0.0	0.0	0.0	3.9	0.0	3.7	3.0	6.7	10.0	3.3	s
<b>COUNTY TOTALS</b>	<b>99.9</b>	<b>498.1</b>	<b>20.2</b>	<b>167.2</b>	<b>0.2</b>	<b>785.7</b>	<b>0.0</b>	<b>149.8</b>	<b>635.9</b>	<b>97.9</b>	<b>15.9</b>	<b>32.8</b>	<b>0.0</b>	<b>146.5</b>	<b>58.9</b>	<b>84.6</b>	<b>318.0</b>	<b>402.6</b>	<b>785.7</b>	<b>383.1</b>	

<b>BASIN COMMUNITY SYSTEMS</b>	<b>3,237.9</b>	<b>5,945.4</b>	<b>1,908.8</b>	<b>1,081.3</b>	<b>287.9</b>	<b>12,461.4</b>	<b>3,174.4</b>	<b>5,269.1</b>	<b>10,366.6</b>	<b>3,173.2</b>	<b>1,496.5</b>	<b>211.9</b>	<b>0.0</b>	<b>4,881.6</b>	<b>1,512.2</b>	<b>3,265.4</b>	<b>5,183.3</b>	<b>8,448.7</b>	<b>15,635.8</b>	<b>7,187.0</b>	
Total Non-Community Systems	12.0	8.5	11.5	115.8	0.0	147.8	21.8	44.4	125.2	11.8	9.0	22.7	0.0	43.5	0.0	41.3	62.6	103.9	169.6	65.7	
Self-Supplied Industries	34.0	0.0	54.9	0.0	2,383.6	2,472.5	13,292.3	15,764.8	0.0	33.3	43.0	0.0	0.0	76.4	0.0	0.0	0.0	0.0	15,764.8	15,764.8	
Private Domestic Systems	280.0	558.0	0.0	0.0	0.0	838.0	0.0	280.0	558.0	274.4	0.0	0.0	0.0	274.4	0.0	260.7	279.0	539.7	838.0	298.3	
<b>CEDAR/BEAVER BASIN TOTALS</b>	<b>3,563.9</b>	<b>6,511.9</b>	<b>1,975.2</b>	<b>1,197.1</b>	<b>2,671.5</b>	<b>15,919.7</b>	<b>16,488.5</b>	<b>21,358.3</b>	<b>11,049.9</b>	<b>3,492.6</b>	<b>1,548.6</b>	<b>234.6</b>	<b>0.0</b>	<b>5,275.9</b>	<b>1,512.2</b>	<b>3,567.4</b>	<b>5,524.9</b>	<b>9,092.3</b>	<b>32,408.2</b>	<b>23,315.8</b>	

Color Code:

	Potable Use Data
	Secondary Use Data
	Indoor/Outdoor Use Data

	Return Flow Data
	Delivery Data
	Depletion Data

Treatment Facility Key:

- t = Sewage Treatment Plant
- p = Facultative Ponds/Lagoons
- s = Septic Systems/Tanks



## **2.9 Uintah Basin**

The Uintah Basin is composed of approximately 10,890 square miles (6,969,600 acres) of land. The Utah/Wyoming and the Utah/Colorado state lines form much of the basin's northern and eastern boundaries respectively. Portions of the Wasatch Mountain Range and the Roan Cliffs comprise the southern and western boundaries. The Uintah Basin contains a wide variety of valleys and mountains. The basin has a low elevation of 4,040 feet above mean sea level at a point along the Green River and gradually increases through several valleys into the higher mountains and plateaus of the Uinta Mountains. Kings Peak, in the Uinta Mountains stands at 13,528 feet above mean sea level.

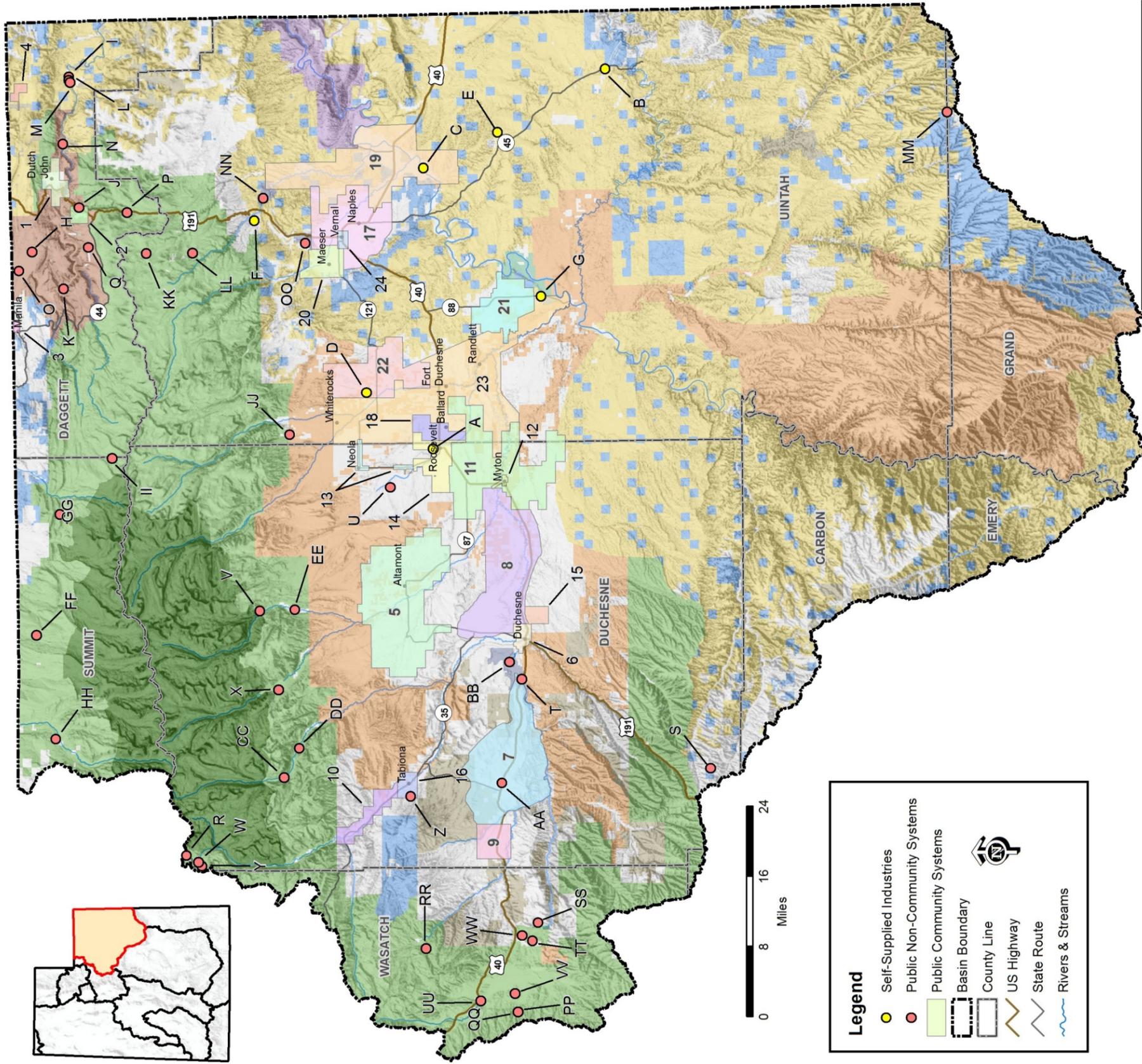
The basin spans all or part of nine counties: Carbon, Daggett, Emery, Duchesne, Grand, Summit, Uintah, Utah and Wasatch. The portions of Carbon, Emery, Grand and Utah counties within the basin contain no public water systems and are not included as part of this report. The largest population centers, in the basin, are located in Uintah and Duchesne Counties, including the cities of Vernal and Duchesne.

### **2.9.1 Uintah Basin Municipal and Industrial Water Use**

Of the 25,535 ac-ft of water use in this basin, roughly 90 percent of the water is potable water. Potable water is also used extensively by self-supplied industries in Uintah County.

In the basin, there are currently 24 public community water systems, including one unregulated Indian water system. These systems serve 49,890 people (about 95 percent of the 52,270 total population of the basin). Figure 2-9 indicates the locations of the public water systems. 43 public non-community water systems serve other areas of the basin Table 2-29 summarizes total water use in the basin.





Public Community Systems	
	Daggett
1	Dutch John
2	Greendale Water Co.
3	Manila Municipal Water System
4	Questar Pipeline Co. (Clay Basin)
<b>Duchesne</b>	
5	Duchesne Upper Country WID
6	Duchesne Water System
7	Duchesne Water System (Trucked)
8	East Duchesne Improvement District
9	Fruitland Water SSD
10	Hanna Water & Sewer Improvement
11	Johnson Water District
12	Myton Municipal Water System
13	Neola Water District
14	Roosevelt Municipal Water System
15	South Duchesne Culinary Water
16	Tabiona Water System
<b>Uintah</b>	
17	Ashley Valley Water & Sewer
18	Ballard WID
19	Jensen Water Improvement District
20	Maeser WID
21	Ourray Park WID
22	Tridell-Lapoint WID
23	Ute Indian Tribe Water System
24	Vernal Municipal Water System

Self-Supplied Industries	
X	Moon Lake Campground
Y	Moosehorn Campground
Z	Mount Tabby Springs Subdivision
AA	Pinion State Hwy Rest Stop
BB	Starvation Reservoir State Park
CC	Upper Stillwater Campground
DD	Yellowpine Campground
EE	Yellowstone Campground
FF	Summit
GG	Bridger Lake Campground
HH	Hoop Lake Campground
II	Little Lyman Lake Campground
<b>Uintah</b>	
JJ	Bacon Memorial Park
KK	East Park Campground
LL	Iron Springs Campground
MM	P.R. Springs
NN	Red Fleet State Park
OO	Steinaker Lake State Park
<b>Wasatch</b>	
PP	Bryants Fork Spring Assn.
QQ	Bryants Fork Summer Homes
RR	Current Creek Campground
SS	Pine Hollow Estates
TT	Soldier Creek Recreation Complex
UU	Strawberry Administration Site
VV	Strawberry Bay Recreation Complex
WW	Windy Ridge Water Company

Figure 2-9 Uintah Basin Public Water Systems



**Table 2-29 Uintah Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	13,673.9	2,441.1	<b>16,115.0</b>
Public Non-Community	156.0	4.5	<b>160.5</b>
Self-Supplied Industries	8,867.1	0.0	<b>8,867.1</b>
Private Domestic	423.3	0.0	<b>423.3</b>
<b>Basin Total</b>	<b>23,120.3</b>	<b>2,445.6</b>	<b>25,565.9</b>

**2.9.2 Uintah Basin Public Community Systems- Source of Supply**

Table 2-30 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Uintah Basin by county and source.

**Table 2-30 Uintah Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Daggett	308.3	1,142.0	645.0	<b>2,095.3</b>	95.0	2,190.3
Duchesne	1,218.4	3,697.8	8,961.0	<b>13,877.2</b>	1,273.0	15,150.2
Summit	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0
Uintah	5,795.7	2,039.7	9,524.0	<b>17,359.4</b>	1,073.1	18,432.5
Wasatch	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0
<b>Basin Totals</b>	<b>7,322.4</b>	<b>6,879.5</b>	<b>19,130.0</b>	<b>33,331.9</b>	<b>2,441.1</b>	<b>35,773.0</b>

**2.9.3 Uintah Basin Public Community Systems – Water Use**

Table 2-31 shows the categorical total water use and per-capita water use rates for public community systems within the Uintah Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-31 Uintah Basin Total and Per-capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, unless noted)

<b>County</b>	<b>Daggett</b>	<b>Duchesne</b>	<b>Summit</b>	<b>Uintah</b>	<b>Wasatch</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>							
Residential Indoor	83.2	1,125.7	0.0	2,220.5	0.0	<b>3,429.4</b>	<b>61</b>
Residential Outdoor	137.4	1,767.9	0.0	3,990.8	0.0	<b>5,896.0</b>	<b>106</b>
Commercial	63.3	534.2	0.0	715.8	0.0	<b>1,313.3</b>	<b>24</b>
Institutional	28.3	799.6	0.0	1,089.9	0.0	<b>1,917.8</b>	<b>34</b>
Industrial/Stockwatering	1.1	1,062.1	0.0	54.2	0.0	<b>1,117.3</b>	<b>20</b>
<b>Total Potable Use</b>	<b>313.3</b>	<b>5,289.4</b>	<b>0.0</b>	<b>8,071.2</b>	<b>0.0</b>	<b>13,673.9</b>	<b>245</b>
<b>Non-Potable Use</b>							
Residential	14.0	401.8	0.0	1,073.1	0.0	<b>1,488.9</b>	<b>27</b>
Commercial	15.0	0.0	0.0	0.0	0.0	<b>15.0</b>	<b>0</b>
Institutional	66.0	871.2	0.0	0.0	0.0	<b>937.2</b>	<b>17</b>
Industrial/Stockwatering	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>95.0</b>	<b>1,273.0</b>	<b>0.0</b>	<b>1,073.1</b>	<b>0.0</b>	<b>2,441.1</b>	<b>44</b>
<b>Basin Total Water Use</b>	<b>408.3</b>	<b>6,562.4</b>	<b>0.0</b>	<b>9,144.3</b>	<b>0.0</b>	<b>16,115.0</b>	<b>288</b>

**2.9.4 Uintah Basin M&I Water Deliveries and Depletions**

Table 2-32 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-32 Uintah Basin M&I Deliveries and Depletions

**2010 UINTAH BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
(Acre-Foot/Year)

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>DAGGETT COUNTY</b>																					
Dutch John	10.79	11.09	14.00	8.40	0.00	44.3	0.0	23.7	20.6	10.6	11.0	1.6	0.0	23.2	34.7	0.0	10.3	10.3	44.3	34.0	p
Greendale Water Company	15.66	8.94	36.80	0.00	0.00	61.4	50.0	45.1	66.3	15.3	28.9	0.0	0.0	44.2	0.0	42.0	33.2	75.1	111.4	36.3	s
Manilla Municipal Wat. Sys.	55.07	112.88	12.50	19.90	0.00	200.4	45.0	69.1	176.3	54.0	9.8	3.9	0.0	67.7	75.2	0.0	88.2	88.2	245.4	157.2	p
Questar Pipeline Company	1.72	4.48	0.00	0.01	1.07	7.3	0.0	2.8	4.5	1.7	0.0	0.0	0.0	1.7	0.0	1.6	2.2	3.8	7.3	3.4	s
<b>Total Community Systems</b>	<b>83.2</b>	<b>137.4</b>	<b>63.3</b>	<b>28.3</b>	<b>1.1</b>	<b>313.3</b>	<b>95.0</b>	<b>140.6</b>	<b>267.7</b>	<b>81.6</b>	<b>49.6</b>	<b>5.5</b>	<b>0.0</b>	<b>136.8</b>	<b>109.9</b>	<b>43.6</b>	<b>133.8</b>	<b>177.4</b>	<b>408.3</b>	<b>230.9</b>	
Non-community Systems	0.8	1.2	1.5	13.5	0.0	17.0	0.0	4.7	12.3	0.8	1.2	2.6	0.0	4.6	0.0	4.4	6.2	10.5	17.0	6.5	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	p
Private Domestic Systems	2.0	3.0	0.0	0.0	0.0	5.0	0.0	2.0	3.0	2.0	0.0	0.0	0.0	2.0	0.0	1.9	1.5	3.4	5.0	1.6	s
<b>COUNTY TOTALS</b>	<b>86.0</b>	<b>141.6</b>	<b>64.8</b>	<b>41.8</b>	<b>1.1</b>	<b>335.3</b>	<b>95.0</b>	<b>147.3</b>	<b>283.0</b>	<b>84.3</b>	<b>50.8</b>	<b>8.2</b>	<b>0.0</b>	<b>143.3</b>	<b>109.9</b>	<b>49.8</b>	<b>141.5</b>	<b>191.3</b>	<b>430.3</b>	<b>239.0</b>	

<b>DUCHESNE COUNTY</b>																					
Central Utah, Duchesne WCD	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.2	0.0	0.0	0.0	0.0	0.0	
Starvation Water Users																					
Duchesne Water System	147.30	114.50	98.00	80.00	0.00	439.8	88.4	241.7	286.5	144.4	76.8	15.7	0.0	236.9	67.2	164.9	143.3	308.2	528.2	220.0	p
East Duchesne Imp. Dist.	68.42	91.16	98.20	0.10	182.80	440.7	15.0	329.8	125.9	67.1	77.0	0.0	0.0	144.1	49.0	92.2	62.9	155.1	455.7	300.6	p
Johnson Water District	136.84	461.50	18.80	44.30	734.30	1,395.7	0.0	895.0	500.7	134.1	14.7	8.7	0.0	157.5	0.0	149.6	250.4	400.0	1,395.7	995.7	s
Myton Municipal Water System	41.02	105.58	45.00	4.00	0.00	195.6	0.0	77.8	117.8	40.2	35.3	0.8	0.0	76.3	50.0	24.7	58.9	83.6	195.6	112.0	p
South Duchesne Culinary Water	8.89	0.00	0.00	39.11	0.00	48.0	0.0	16.7	31.3	8.7	0.0	7.7	0.0	16.4	0.0	15.6	15.6	31.2	48.0	16.8	s
Duchesne Co. Upper Country WID	158.59	140.85	17.90	65.40	15.20	397.9	260.3	201.2	457.1	155.4	14.0	12.8	0.0	182.3	0.0	173.2	228.5	401.7	658.2	256.6	s
Fruitland Water Spl. Serv. Dist.	19.36	103.52	1.70	2.70	0.00	127.3	0.0	21.3	106.0	19.0	1.3	0.5	0.0	20.8	0.0	19.8	53.0	72.8	127.3	54.5	s
Hanna Water & Sewer I. D.	17.31	1.69	0.60	0.00	0.00	19.6	21.0	17.8	22.8	17.0	0.5	0.0	0.0	17.4	0.0	16.6	11.4	28.0	40.6	12.6	s
Neola Water District	64.56	30.08	4.00	0.00	8.80	107.4	692.0	76.6	722.9	63.3	3.1	0.0	0.0	66.4	384.2	0.0	361.4	361.4	799.4	438.0	p
Roosevelt Municipal Water syst.	438.05	706.95	248.00	563.00	121.00	2,077.0	101.0	870.1	1,308.0	429.3	194.4	110.3	0.0	734.1	65.1	654.3	654.0	1,308.3	2,178.0	869.7	p
Tabiona Water System	25.31	12.02	2.00	1.00	0.00	40.3	95.3	27.1	108.5	24.8	1.6	0.2	0.0	26.6	18.1	7.9	54.3	62.2	135.6	73.4	p
<b>Total Community Systems</b>	<b>1,125.7</b>	<b>1,767.9</b>	<b>534.2</b>	<b>799.6</b>	<b>1,062.1</b>	<b>5,289.4</b>	<b>1,273.0</b>	<b>2,775.0</b>	<b>3,787.4</b>	<b>1,103.1</b>	<b>418.8</b>	<b>156.7</b>	<b>0.0</b>	<b>1,678.7</b>	<b>698.8</b>	<b>1,318.8</b>	<b>1,893.7</b>	<b>3,212.5</b>	<b>6,562.4</b>	<b>3,349.9</b>	
Non-community Systems	5.5	8.2	0.0	15.4	0.0	29.1	0.0	8.6	20.5	5.4	0.0	3.0	0.0	8.4	0.0	8.0	10.3	18.2	29.1	10.9	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	p
Private Domestic Systems	141.2	224.1	0.0	0.0	0.0	365.3	0.0	141.2	224.1	138.4	0.0	0.0	0.0	138.4	0.0	131.5	112.0	243.5	365.3	121.8	s
<b>COUNTY TOTALS</b>	<b>1,272.4</b>	<b>2,000.2</b>	<b>534.2</b>	<b>815.0</b>	<b>1,062.1</b>	<b>5,683.8</b>	<b>1,273.0</b>	<b>2,924.8</b>	<b>4,032.0</b>	<b>1,246.9</b>	<b>418.8</b>	<b>159.7</b>	<b>0.0</b>	<b>1,825.5</b>	<b>698.8</b>	<b>1,458.2</b>	<b>2,016.0</b>	<b>3,474.2</b>	<b>6,956.8</b>	<b>3,482.6</b>	



**Table 2-32 Uintah Basin M&I Deliveries and Depletions Continued**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>SUMMIT COUNTY</b>																					
None	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total Community Systems</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Non-community Systems	0.1	0.0	1.5	1.4	0.0	3.0	0.0	1.6	1.4	0.1	1.2	0.3	0.0	1.5	0.0	1.5	0.7	2.2	3.0	0.8	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	p
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>1.1</b>	<b>2.0</b>	<b>1.5</b>	<b>1.4</b>	<b>0.0</b>	<b>6.0</b>	<b>0.0</b>	<b>2.6</b>	<b>3.4</b>	<b>1.1</b>	<b>1.2</b>	<b>0.3</b>	<b>0.0</b>	<b>2.5</b>	<b>0.0</b>	<b>2.4</b>	<b>1.7</b>	<b>4.1</b>	<b>6.0</b>	<b>1.9</b>	

<b>UINTAH COUNTY</b>																					
Ashley Valley Improvement Dist.	840.77	1,445.23	62.00	222.00	0.00	2,570.0	602.0	934.8	2,237.2	824.0	48.6	43.5	0.0	916.1	681.5	216.2	1,118.6	1,334.9	3,172.0	1,837.1	p
Jensen Water Improvement Dist.	105.51	210.59	8.60	68.10	43.00	435.8	0.0	169.0	266.8	103.4	6.7	13.3	0.0	123.5	0.0	117.3	133.4	250.7	435.8	185.1	s
Maeser Water Improvement Dist.	230.47	294.85	42.49	24.34	0.00	592.2	351.9	269.3	674.7	225.9	33.3	4.8	0.0	263.9	0.0	250.7	337.4	588.1	944.1	355.9	s
Central Utah WCD	0.00	0.00	0.00	0.00	0.00																
Vernal Municipal Water System	643.03	1,499.05	552.40	291.54	0.00	2,986.0	0.0	1,143.3	1,842.8	630.2	433.1	57.1	0.0	1,120.4	654.5	443.5	921.4	1,364.9	2,986.0	1,621.2	p
Tridell-Lapointe Water Imp. Dist.	85.26	138.33	7.93	87.03	0.00	318.6	0.0	109.0	209.5	83.6	6.2	17.1	0.0	106.8	0.0	101.5	104.8	206.3	318.6	112.3	s
Ute Indian Tribe Water System	248.54	211.38	11.80	372.80	0.00	844.5	0.0	332.5	512.0	243.6	9.3	73.1	0.0	325.9	66.3	253.1	256.0	509.1	844.5	335.5	p
Ballard Water Improvement Dist.	51.05	132.73	30.26	16.70	11.17	241.9	96.2	89.8	248.3	50.0	23.7	3.3	0.0	77.0	160.6	0.0	124.2	124.2	338.1	213.9	p
Ouray Park Water Imp. Dist.	15.89	58.63	0.33	7.35	0.00	82.2	23.0	17.6	87.6	15.6	0.3	1.4	0.0	17.3	0.0	16.4	43.8	60.2	105.2	45.0	s
<b>Total Community Systems</b>	<b>2,220.5</b>	<b>3,990.8</b>	<b>715.8</b>	<b>1,089.9</b>	<b>54.2</b>	<b>8,071.2</b>	<b>1,073.1</b>	<b>3,065.3</b>	<b>6,078.9</b>	<b>2,176.1</b>	<b>561.2</b>	<b>213.6</b>	<b>0.0</b>	<b>2,950.9</b>	<b>1,562.9</b>	<b>1,398.8</b>	<b>3,039.5</b>	<b>4,438.2</b>	<b>9,144.3</b>	<b>4,706.0</b>	
Non-community Systems	0.1	0.0	0.0	5.4	0.0	5.5	4.5	1.2	8.8	0.1	0.0	1.1	0.0	1.2	0.0	1.1	4.4	5.5	10.0	4.5	s
Self Supplied Industries	4.3	455.5	0.0	0.0	8,407.3	8,867.1	0.0	8,867.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	8,867.1	8,867.1	p
Private Domestic Systems	15.0	35.0	0.0	0.0	0.0	50.0	0.0	15.0	35.0	14.7	0.0	0.0	0.0	14.7	0.0	14.0	17.5	31.5	50.0	18.5	s
<b>COUNTY TOTALS</b>	<b>2,239.9</b>	<b>4,481.3</b>	<b>715.8</b>	<b>1,095.3</b>	<b>8,461.5</b>	<b>16,993.7</b>	<b>1,077.6</b>	<b>11,948.6</b>	<b>6,122.8</b>	<b>2,195.1</b>	<b>561.2</b>	<b>214.7</b>	<b>0.0</b>	<b>2,971.0</b>	<b>1,562.9</b>	<b>1,413.8</b>	<b>3,061.4</b>	<b>4,475.2</b>	<b>18,071.3</b>	<b>13,596.1</b>	

<b>WASATCH COUNTY</b>																					
None	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total Community Systems</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
Non-community Systems	39.4	0.0	0.0	62.0	0.0	101.4	0.0	51.8	49.6	38.6	0.0	12.2	0.0	50.8	0.0	48.2	24.8	73.0	101.4	28.4	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	p
Private Domestic Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
<b>COUNTY TOTALS</b>	<b>39.4</b>	<b>0.0</b>	<b>0.0</b>	<b>62.0</b>	<b>0.0</b>	<b>101.4</b>	<b>0.0</b>	<b>51.8</b>	<b>49.6</b>	<b>38.6</b>	<b>0.0</b>	<b>12.2</b>	<b>0.0</b>	<b>50.8</b>	<b>0.0</b>	<b>48.2</b>	<b>24.8</b>	<b>73.0</b>	<b>101.4</b>	<b>28.4</b>	

<b>Basin Community Systems</b>	<b>3,429.4</b>	<b>5,896.0</b>	<b>1,313.3</b>	<b>1,917.8</b>	<b>1,117.3</b>	<b>13,673.9</b>	<b>2,441.1</b>	<b>5,981.0</b>	<b>10,134.0</b>	<b>3,360.8</b>	<b>1,029.6</b>	<b>375.9</b>	<b>0.0</b>	<b>4,766.3</b>	<b>2,371.6</b>	<b>2,761.1</b>	<b>5,067.0</b>	<b>7,828.1</b>	<b>16,115.0</b>	<b>8,286.8</b>	
Total Non-community Systems	45.9	9.4	3.0	97.7	0.0	156.0	4.5	67.8	92.7	45.0	2.4	19.1	0.0	66.5	0.0	63.1	46.3	109.5	160.5	51.0	
Total Self Supplied Industries	4.3	455.5	0.0	0.0	8,407.3	8,867.1	0.0	8,867.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	8,867.1	8,867.1	
Total Private Domestic Systems	159.2	264.1	0.0	0.0	0.0	423.3	0.0	159.2	264.1	156.0	0.0	0.0	0.0	156.0	0.0	148.2	132.0	280.3	423.3	143.0	
<b>UINTAH BASIN TOTALS</b>	<b>3,599.4</b>	<b>6,625.0</b>	<b>1,316.3</b>	<b>1,953.5</b>	<b>9,524.7</b>	<b>23,120.3</b>	<b>2,445.6</b>	<b>15,023.3</b>	<b>10,441.2</b>	<b>3,527.4</b>	<b>1,032.0</b>	<b>382.9</b>	<b>0.0</b>	<b>4,942.3</b>	<b>2,371.6</b>	<b>2,924.3</b>	<b>5,220.6</b>	<b>8,144.9</b>	<b>25,565.9</b>	<b>17,348.0</b>	

**Color Code:**

<span style="background-color: #ffffcc; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Potable Use Data	<span style="background-color: #ffcc99; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Return Flow Data
<span style="background-color: #ff9933; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Secondary Use Data	<span style="background-color: #ccffcc; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Delivery Data
<span style="background-color: #ffff00; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Indoor/Outdoor Use Data	<span style="background-color: #99ccff; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Depletion Data

**Treatment Facility Key:**

t = Sewage Treatment Plant  
p = Facultative Ponds/Lagoons  
s = Septic Systems/Tanks



## **2.10 West Colorado River Basin**

The West Colorado River Basin covers 15,411 square miles (9,863,040 acres) of land. The boundary starts with Soldier Summit and follows a clockwise path containing the Roan Cliffs, followed by a south-trending line toward Elk Ridge, the Clay Hills, the Straight Cliffs of the Kaiparowits Plateau, the Aquarius Plateau, the Awapa Plateau, and finally the Wasatch Plateau and back up to Soldier Summit. The West Colorado River Basin contains a widely varied topography. Elevations begin at less than 4,000 feet above mean sea level at the southern tip and gradually increase throughout several valleys into the higher mountains and plateaus of the basin. Notably, Mt. Ellen of the Henry Mountains stands 11,522 feet above mean sea level.

The basin spans all or part of 12 counties: Carbon, Duchesne, Emery, Garfield, Grand, Kane, San Juan, Sanpete, Sevier, Utah, Wasatch and Wayne. Duchesne and Wasatch counties contain no public water systems within the basin and are not included in this report. The main population centers are located in Emery and Carbon counties, including the cities of Green River, Orangeville, Huntington, Price and Wellington.

### **2.10.1 West Colorado River Basin Municipal and Industrial Water Use**

The total combined M&I water use is 49,176 ac-ft of total water use in this basin, the largest categorical use, at 32,856 ac-ft, is non-potable self-supplied water used mostly for various mining and other industries in Carbon and Emery counties. Additionally, many of the communities have secondary water systems using non-potable water for outside watering.

The West Colorado River Basin currently has 31 public community water systems serving 35,560 people (about 96 percent of the 36,930 total population of the basin). See Figure 2-10 for the location of the public water systems. The basin also has 47 public non-community water systems that serve national parks and/or monuments. Table 2-33 summarizes the total overall water use in the basin.



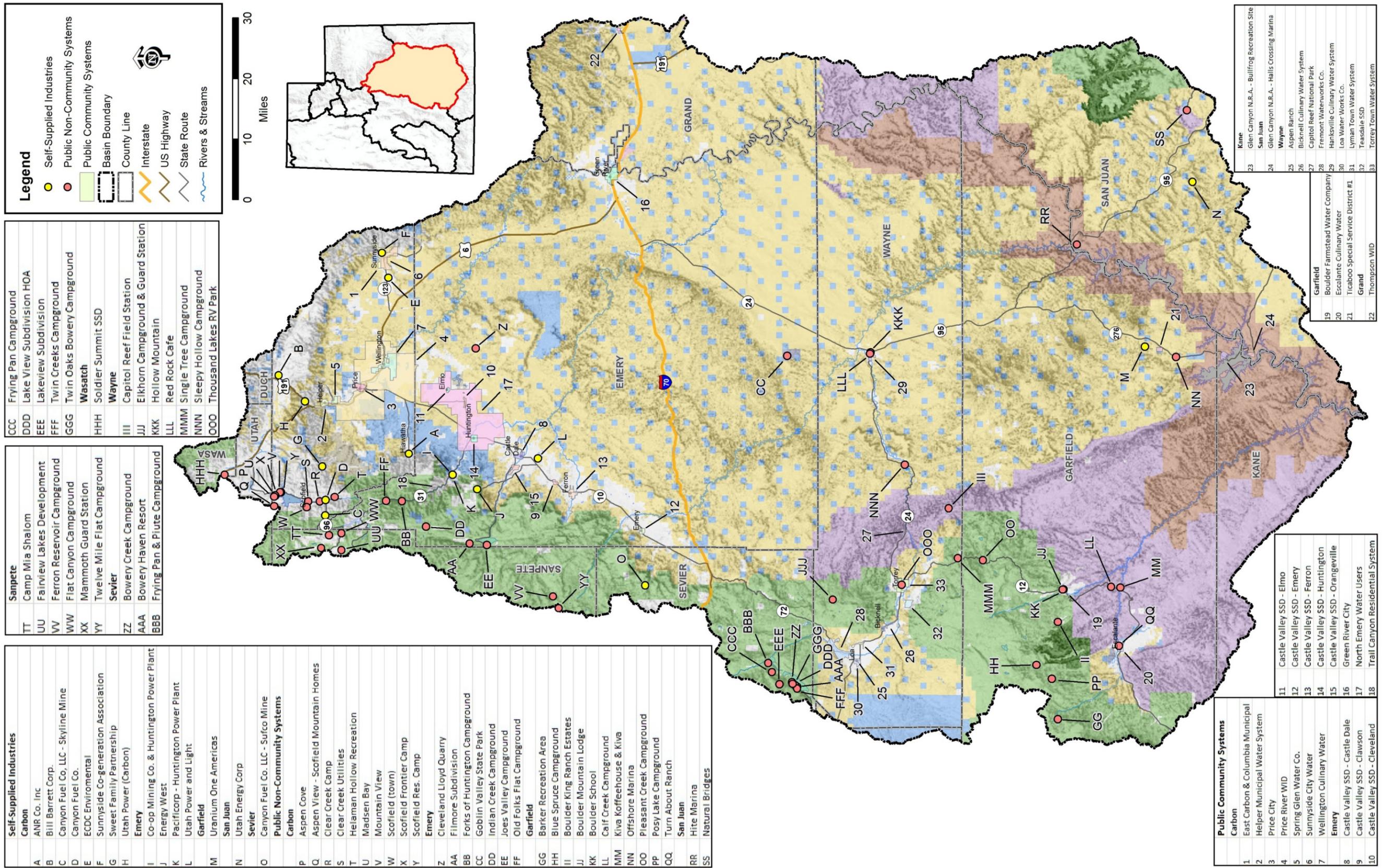


Figure 2-10 West Colorado River Basin Public Water Systems



**Table 2-33 West Colorado River Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	7,984.6	7,908.0	<b>15,892.6</b>
Public Non-Community	122.6	0.0	<b>122.6</b>
Self-Supplied Industries	16.0	32,855.6	<b>32,871.6</b>
Private Domestic	289.0	0.0	<b>289.0</b>
<b>Basin Totals</b>	<b>8,412.2</b>	<b>40,763.6</b>	<b>49,175.8</b>

**2.10.2 West Colorado River Basin Public Community Systems - Source of Supply**

Table 2-34 indicates the breakdown of the reliable annual water supplies for all public community water systems in the West Colorado River Basin by county and source.

**Table 2-34 West Colorado River Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Carbon	3,582.0	1,552.0	5,674.0	<b>10,808.0</b>	1,595.0	<b>12,403.0</b>
Emery	1,424.0	0.0	3,929.0	<b>5,353.0</b>	5,355.0	<b>10,708.0</b>
Garfield	248.0	275.0	0.0	<b>523.0</b>	163.0	<b>686.0</b>
Grand	81.0	0.0	0.0	<b>81.0</b>	0.0	<b>81.0</b>
Sanpete	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
Sevier	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
Utah	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
Wasatch	0.0	0.0	0.0	<b>0.0</b>	0.0	<b>0.0</b>
Wayne	606.0	445.0	0.0	<b>1,051.0</b>	795.0	<b>1,846.0</b>
<b>Basin Totals</b>	<b>5,941.0</b>	<b>2,272.0</b>	<b>9,603.0</b>	<b>17,816.0</b>	<b>7,908.0</b>	<b>25,724.0</b>

**2.10.3 West Colorado River Basin Public Community Systems - Water Use**

Table 2-35 shows the categorical total water use and per-capita water use rates for public community systems within the West Colorado River Basin. The non-potable water use is

irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-35 West Colorado Basin Total and Per-capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, unless noted)

<b>County</b>	<b>Carbon</b>	<b>Emery</b>	<b>Garfield</b>	<b>Grand</b>	<b>Wayne</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>							
Residential Indoor	1,593.9	739.8	93.3	4.8	177.5	<b>2,609.3</b>	<b>66</b>
Residential Outdoor	2,041.4	888.2	119.6	6.8	210.3	<b>3,266.3</b>	<b>82</b>
Commercial	495.1	174.3	59.5	10.8	36.7	<b>776.4</b>	<b>19</b>
Institutional	883.8	68.2	76.1	12.3	16.1	<b>1,056.5</b>	<b>27</b>
Industrial/Stockwatering	123.8	60.4	1.1	0.0	90.8	<b>276.1</b>	<b>7</b>
<b>Total Potable Use</b>	<b>5,138.0</b>	<b>1,930.9</b>	<b>349.6</b>	<b>34.7</b>	<b>531.4</b>	<b>7,984.6</b>	<b>200</b>
<b>Non-Potable Use</b>							
Residential	840.0	4,438.0	163.0	0.0	705.0	<b>6,146.0</b>	<b>154</b>
Commercial	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
Institutional	755.0	917.0	0.0	0.0	90.0	<b>1,762.0</b>	<b>44</b>
Industrial/Stockwatering	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>1,595.0</b>	<b>5,355.0</b>	<b>163.0</b>	<b>0.0</b>	<b>795.0</b>	<b>7,908.0</b>	<b>199</b>
<b>Basin Total Water Use</b>	<b>6,733.0</b>	<b>7,285.9</b>	<b>512.6</b>	<b>34.7</b>	<b>1,326.4</b>	<b>15,892.6</b>	<b>399</b>

Note: Sanpete, Sevier, Utah and Wasatch counties were omitted since the counties do not have public community systems within the basin boundaries.

#### **2.10.4 West Colorado River Basin M&I Water Deliveries and Depletions**

Table 2-36 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-36 West Colorado Basin M&I Deliveries and Depletions

**2010 WEST COLORADO RIVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
**(Acre-Feet/Year)**

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>CARBON COUNTY</b>																					
East Carbon & Columbia Municipal	100.5	270.0	0.5	45.0	40.0	456.0	0.0	149.9	306.1	98.5	0.4	8.8	0.0	107.7	153.3	0.0	153.1	153.1	456.0	303.0	p
Helper Municipal Water System	170.0	71.4	44.7	34.5	18.3	338.9	255.0	231.0	362.9	166.6	35.0	6.8	0.0	208.4	0.0	204.2	181.5	385.7	593.9	208.2	t
Price Municipal Water System	654.4	978.5	226.5	730.3	13.1	2,602.8	30.0	994.8	1,638.0	641.3	177.6	143.1	0.0	962.0	0.0	942.8	819.0	1,761.8	2,632.8	871.0	t
Price River Water Improvement Dist.	517.5	603.6	199.9	43.3	35.9	1,400.2	1,050.0	722.0	1,728.2	507.2	156.7	8.5	0.0	672.4	0.0	658.9	864.1	1,523.0	2,450.2	927.2	t
Wellington Culinary Water	120.4	14.6	22.5	27.7	5.5	190.7	260.0	149.4	301.3	118.0	17.6	5.4	0.0	141.1	0.0	138.2	150.6	288.9	450.7	161.8	t
Spring Glen Water Company	3.4	6.0	0.0	0.0	0.0	9.4	0.0	3.4	6.0	3.3	0.0	0.0	0.0	3.3	0.0	3.3	3.0	6.3	9.4	3.1	t
Sunnyside City Water	27.7	97.3	1.0	3.0	11.0	140.0	0.0	40.1	99.9	27.1	0.8	0.6	0.0	28.5	42.8	0.0	50.0	50.0	140.0	90.1	p
<b>Total Community Systems</b>	<b>1,593.9</b>	<b>2,041.4</b>	<b>495.1</b>	<b>883.8</b>	<b>123.8</b>	<b>5,138.0</b>	<b>1,595.0</b>	<b>2,290.5</b>	<b>4,442.5</b>	<b>1,562.0</b>	<b>388.2</b>	<b>173.2</b>	<b>0.0</b>	<b>2,123.4</b>	<b>196.1</b>	<b>1,947.4</b>	<b>2,221.2</b>	<b>4,168.7</b>	<b>6,733.0</b>	<b>2,564.3</b>	
Non-community Systems	24.0	0.1	0.0	14.5	0.0	38.6	0.0	26.9	11.7	23.5	0.0	2.8	0.0	26.4	0.0	25.0	5.9	30.9	38.6	7.7	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	6,863.9	6,863.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,863.9	6,863.9	
Private Domestic Systems	3.0	7.0	0.0	0.0	0.0	10.0	0.0	3.0	7.0	2.9	0.0	0.0	0.0	2.9	0.0	2.8	3.5	6.3	10.0	3.7	s
<b>COUNTY TOTALS</b>	<b>1,620.9</b>	<b>2,048.5</b>	<b>495.1</b>	<b>898.3</b>	<b>123.8</b>	<b>5,186.6</b>	<b>8,458.9</b>	<b>9,184.3</b>	<b>4,461.2</b>	<b>1,588.5</b>	<b>388.2</b>	<b>176.1</b>	<b>0.0</b>	<b>2,152.7</b>	<b>196.1</b>	<b>1,975.3</b>	<b>2,230.6</b>	<b>4,205.9</b>	<b>13,645.5</b>	<b>9,439.6</b>	
<b>EMERY COUNTY</b>																					
Castle Valley SSD																					
Castledale	115.0	248.9	2.7	7.7	49.1	423.4	824.0	167.8	1,079.6	112.7	2.1	1.5	0.0	116.3	0.0	114.0	539.8	653.8	1,247.4	593.6	t
Clawson	11.3	10.1	0.0	0.4	0.0	21.8	124.0	11.4	134.4	11.1	0.0	0.1	0.0	11.2	0.0	10.9	67.2	78.1	145.8	67.7	t
Cleveland	33.2	43.2	0.0	1.6	0.0	78.0	323.0	33.5	367.5	32.5	0.0	0.3	0.0	32.8	0.0	32.2	183.7	215.9	401.0	185.1	t
Elmo	29.6	25.7	0.0	1.1	0.0	56.4	312.0	29.8	338.6	29.0	0.0	0.2	0.0	29.2	0.0	28.6	169.3	197.9	368.4	170.5	t
Emery	20.5	41.7	0.0	1.3	0.0	63.5	275.0	20.8	317.7	20.1	0.0	0.3	0.0	20.3	0.0	19.9	158.9	178.8	338.5	159.7	t
Ferron	115.0	123.7	0.0	10.3	0.0	249.0	1,260.0	117.1	1,391.9	112.7	0.0	2.0	0.0	114.7	0.0	112.4	696.0	808.4	1,509.0	700.6	t
Huntington	150.3	151.3	43.1	14.3	3.6	362.6	818.0	191.2	989.4	147.3	33.8	2.8	0.0	183.9	0.0	180.2	494.7	674.9	1,180.6	505.7	t
Orangeville	98.8	124.5	1.7	4.7	7.3	237.0	734.0	108.4	862.6	96.8	1.3	0.9	0.0	99.1	0.0	97.1	431.3	528.4	971.0	442.6	t
Green River Municipal Water	67.4	15.2	115.6	25.8	0.0	224.0	685.0	165.0	744.0	66.1	90.6	5.1	0.0	161.7	180.5	0.0	372.0	372.0	909.0	537.0	p
North Emery Water Users SSD	95.8	99.7	11.2	1.0	0.4	208.1	0.0	105.4	102.7	93.9	8.8	0.2	0.0	102.9	0.0	97.7	51.4	149.1	208.1	59.0	s
Trail Canyon Residential System	2.9	4.2	0.0	0.0	0.0	7.1	0.0	2.9	4.2	2.8	0.0	0.0	0.0	2.8	0.0	2.7	2.1	4.8	7.1	2.3	s
<b>Total Community Systems</b>	<b>739.8</b>	<b>888.2</b>	<b>174.3</b>	<b>68.2</b>	<b>60.4</b>	<b>1,930.9</b>	<b>5,355.0</b>	<b>953.3</b>	<b>6,332.6</b>	<b>725.0</b>	<b>136.7</b>	<b>13.4</b>	<b>0.0</b>	<b>875.0</b>	<b>180.5</b>	<b>695.8</b>	<b>3,166.3</b>	<b>3,862.2</b>	<b>7,285.9</b>	<b>3,423.7</b>	
Non-community Systems	5.3	0.0	0.0	15.7	0.0	21.0	0.0	8.4	12.6	5.2	0.0	3.1	0.0	8.3	0.0	7.9	6.3	14.1	21.0	6.9	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	25,990.1	25,990.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25,990.1	25,990.1	
Private Domestic Systems	25.0	60.0	0.0	0.0	0.0	85.0	0.0	25.0	60.0	24.5	0.0	0.0	0.0	24.5	0.0	23.3	30.0	53.3	85.0	31.7	s
<b>COUNTY TOTALS</b>	<b>770.1</b>	<b>948.2</b>	<b>174.3</b>	<b>83.9</b>	<b>60.4</b>	<b>2,036.9</b>	<b>31,345.1</b>	<b>26,976.8</b>	<b>6,405.2</b>	<b>754.7</b>	<b>136.7</b>	<b>16.4</b>	<b>0.0</b>	<b>907.8</b>	<b>180.5</b>	<b>727.0</b>	<b>3,202.6</b>	<b>3,929.6</b>	<b>33,382.0</b>	<b>29,452.4</b>	



2-36 West Colorado Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>GARFIELD COUNTY</b>																					
Boulder Farmstead Water Company	18.3	11.6	3.5	34.1	0.8	68.3	20.0	28.7	59.6	17.9	2.7	6.7	0.0	27.4	0.0	26.0	29.8	55.8	88.3	32.5	s
Escalante Culinary Water	75.0	108.0	56.0	42.0	0.3	281.3	143.0	128.5	295.8	73.5	43.9	8.2	0.0	125.6	69.1	54.0	147.9	201.9	424.3	222.4	p
<b>Total Community Systems</b>	<b>93.3</b>	<b>119.6</b>	<b>59.5</b>	<b>76.1</b>	<b>1.1</b>	<b>349.6</b>	<b>163.0</b>	<b>157.2</b>	<b>355.4</b>	<b>91.4</b>	<b>46.6</b>	<b>14.9</b>	<b>0.0</b>	<b>153.0</b>	<b>69.1</b>	<b>80.0</b>	<b>177.7</b>	<b>257.7</b>	<b>512.6</b>	<b>254.9</b>	
Non-community Systems	1.0	0.0	6.8	5.3	0.0	13.1	0.0	7.5	5.6	1.0	5.3	1.0	0.0	7.4	0.0	7.0	2.8	9.8	13.1	3.3	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	
Private Domestic Systems	30.0	60.0	0.0	0.0	0.0	90.0	0.0	30.0	60.0	29.4	0.0	0.0	0.0	29.4	0.0	27.9	30.0	57.9	90.0	32.1	s
<b>COUNTY TOTALS</b>	<b>124.3</b>	<b>179.6</b>	<b>66.3</b>	<b>81.4</b>	<b>1.1</b>	<b>452.7</b>	<b>164.6</b>	<b>196.3</b>	<b>421.0</b>	<b>121.8</b>	<b>52.0</b>	<b>16.0</b>	<b>0.0</b>	<b>189.7</b>	<b>69.1</b>	<b>114.9</b>	<b>210.5</b>	<b>325.4</b>	<b>617.3</b>	<b>291.9</b>	
<b>GRAND County</b>																					
Thompson Water Improvement Dist.	4.8	6.8	10.8	12.3	0.0	34.7	0.0	15.9	18.8	4.7	8.5	2.4	0.0	15.6	0.0	14.8	9.4	24.2	34.7	10.5	s
<b>Total Community Systems</b>	<b>4.8</b>	<b>6.8</b>	<b>10.8</b>	<b>12.3</b>	<b>0.0</b>	<b>34.7</b>	<b>0.0</b>	<b>15.9</b>	<b>18.8</b>	<b>4.7</b>	<b>8.5</b>	<b>2.4</b>	<b>0.0</b>	<b>15.6</b>	<b>0.0</b>	<b>14.8</b>	<b>9.4</b>	<b>24.2</b>	<b>34.7</b>	<b>10.5</b>	
Non-community Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>4.8</b>	<b>6.8</b>	<b>10.8</b>	<b>12.3</b>	<b>0.0</b>	<b>34.7</b>	<b>0.0</b>	<b>16.9</b>	<b>20.8</b>	<b>5.7</b>	<b>8.5</b>	<b>2.4</b>	<b>0.0</b>	<b>16.6</b>	<b>0.0</b>	<b>15.7</b>	<b>10.4</b>	<b>26.1</b>	<b>37.7</b>	<b>11.6</b>	
<b>SANPETE COUNTY</b>																					
Non-community Systems	3.6	0.0	0.0	3.5	0.0	7.1	0.0	4.3	2.8	3.5	0.0	0.7	0.0	4.2	0.0	4.0	1.4	5.4	7.1	1.7	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>4.6</b>	<b>2.0</b>	<b>0.0</b>	<b>3.5</b>	<b>0.0</b>	<b>10.1</b>	<b>0.0</b>	<b>5.3</b>	<b>4.8</b>	<b>4.5</b>	<b>0.0</b>	<b>0.7</b>	<b>0.0</b>	<b>5.2</b>	<b>0.0</b>	<b>4.9</b>	<b>2.4</b>	<b>7.3</b>	<b>10.1</b>	<b>2.8</b>	
<b>SEVIER COUNTY</b>																					
Non-community systems, etc.	8.0	0.0	1.6	17.5	0.0	27.1	0.0	12.8	14.3	7.8	1.3	3.4	0.0	12.5	0.0	11.9	7.2	19.1	27.1	8.0	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	5.0	15.0	0.0	0.0	0.0	20.0	0.0	5.0	15.0	4.9	0.0	0.0	0.0	4.9	0.0	4.7	7.5	12.2	20.0	7.8	s
<b>COUNTY TOTALS</b>	<b>13.0</b>	<b>15.0</b>	<b>1.6</b>	<b>17.5</b>	<b>0.0</b>	<b>47.1</b>	<b>0.0</b>	<b>17.8</b>	<b>29.3</b>	<b>12.7</b>	<b>1.3</b>	<b>3.4</b>	<b>0.0</b>	<b>17.4</b>	<b>0.0</b>	<b>16.6</b>	<b>14.7</b>	<b>31.2</b>	<b>47.1</b>	<b>15.9</b>	
<b>UTAH COUNTY</b>																					
Non-community systems, etc.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic systems	2.0	3.0	0.0	0.0	0.0	5.0	0.0	2.0	3.0	2.0	0.0	0.0	0.0	2.0	0.0	1.9	1.5	3.4	5.0	1.6	s
<b>COUNTY TOTALS</b>	<b>2.0</b>	<b>3.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.0</b>	<b>0.0</b>	<b>2.0</b>	<b>3.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>0.0</b>	<b>1.9</b>	<b>1.5</b>	<b>3.4</b>	<b>5.0</b>	<b>1.6</b>	



2-36 West Colorado Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>WASATCH COUNTY</b>																					
Non-community systems, etc.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Self Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>1.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.0</b>	<b>0.0</b>	<b>1.0</b>	<b>2.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.9</b>	<b>1.0</b>	<b>1.9</b>	<b>3.0</b>	<b>1.1</b>	
<b>WAYNE COUNTY</b>																					
Aspen Ranch	6.7	2.0	0.0	0.0	0.0	8.7	0.0	6.7	2.0	6.6	0.0	0.0	0.0	6.6	0.0	6.2	1.0	7.2	8.7	1.5	s
Bicknell Town	26.6	7.7	10.4	5.2	9.7	59.6	169.0	45.7	182.9	26.1	8.2	1.0	0.0	35.2	0.0	33.5	91.5	124.9	228.6	103.7	s
Capitol Reef National Park	1.5	0.6	0.0	3.6	0.0	5.7	40.0	2.2	43.5	1.5	0.0	0.7	0.0	2.2	3.3	0.0	21.7	21.7	45.7	24.0	p
Freemont Waterworks Co.	18.5	20.6	0.3	0.8	15.7	55.9	108.0	34.6	129.3	18.1	0.2	0.2	0.0	18.5	0.0	17.6	64.7	82.2	163.9	81.7	s
Town of Hanksville Culinary Water System	16.3	2.7	8.0	1.7	0.0	28.7	8.0	23.0	13.7	16.0	6.3	0.3	0.0	22.6	22.5	0.0	6.8	6.8	36.7	29.9	p
Loa Town Water System	42.1	21.8	2.0	0.6	50.0	116.5	216.0	93.8	238.7	41.3	1.6	0.1	0.0	42.9	0.0	42.1	119.3	161.4	332.5	171.1	t
Lyman Town Water System	19.2	5.7	0.4	0.1	14.9	40.3	104.0	34.4	109.9	18.8	0.3	0.0	0.0	19.1	0.0	18.8	54.9	73.7	144.3	70.6	t
Teasdale Special Service District	18.5	46.9	0.6	1.3	0.5	67.8	70.0	19.7	118.1	18.1	0.5	0.3	0.0	18.9	0.0	17.9	59.0	76.9	137.8	60.9	s
Torrey Town Water System	28.1	102.3	15.0	2.8	0.0	148.2	80.0	40.7	187.5	27.5	11.8	0.5	0.0	39.8	0.0	39.0	93.8	132.8	228.2	95.4	t
<b>Total Community Systems</b>	<b>177.5</b>	<b>210.3</b>	<b>36.7</b>	<b>16.1</b>	<b>90.8</b>	<b>531.4</b>	<b>795.0</b>	<b>300.9</b>	<b>1,025.5</b>	<b>174.0</b>	<b>28.8</b>	<b>3.2</b>	<b>0.0</b>	<b>205.9</b>	<b>25.8</b>	<b>175.1</b>	<b>512.8</b>	<b>687.9</b>	<b>1,326.4</b>	<b>638.5</b>	
Non-community Systems	1.6	0.0	7.0	7.1	0.0	15.7	0.0	8.6	7.1	1.6	5.5	1.4	0.0	8.4	0.0	8.0	3.5	11.6	15.7	4.1	s
Self Supplied Industries	0.0	0.0	16.0	0.0	0.0	16.0	0.0	16.0	0.0	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	16.0	16.0	
Private Domestic Systems	20.0	50.0	0.0	0.0	0.0	70.0	0.0	20.0	50.0	19.6	0.0	0.0	0.0	19.6	0.0	18.6	25.0	43.6	70.0	26.4	s
<b>COUNTY TOTALS</b>	<b>199.1</b>	<b>260.3</b>	<b>59.7</b>	<b>23.2</b>	<b>90.8</b>	<b>633.1</b>	<b>795.0</b>	<b>345.5</b>	<b>1,082.6</b>	<b>195.1</b>	<b>46.8</b>	<b>4.5</b>	<b>0.0</b>	<b>246.5</b>	<b>25.8</b>	<b>201.8</b>	<b>541.3</b>	<b>743.1</b>	<b>1,428.1</b>	<b>685.0</b>	
<b>Basin Community Systems</b>	<b>2,609.3</b>	<b>3,266.3</b>	<b>776.4</b>	<b>1,056.5</b>	<b>276.1</b>	<b>7,984.6</b>	<b>7,908.0</b>	<b>3,717.8</b>	<b>12,174.8</b>	<b>2,557.1</b>	<b>608.7</b>	<b>207.1</b>	<b>0.0</b>	<b>3,372.9</b>	<b>471.4</b>	<b>2,913.2</b>	<b>6,087.4</b>	<b>9,000.6</b>	<b>15,892.6</b>	<b>6,892.0</b>	
Total Non-community Systems	43.5	0.1	15.4	63.6	0.0	122.6	0.0	68.5	54.1	42.6	12.1	12.5	0.0	67.2	0.0	63.8	27.0	90.8	122.6	31.8	
Total Self Supplied Industries	0.0	0.0	16.0	0.0	0.0	16.0	32,855.6	32,871.6	0.0	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	32,871.6	32,871.6	
Total Private Domestic Systems	88.0	201.0	0.0	0.0	0.0	289.0	0.0	88.0	201.0	86.2	0.0	0.0	0.0	86.2	0.0	81.9	100.5	182.4	289.0	106.6	
<b>WEST COLORADO BASIN TOTALS</b>	<b>2,740.8</b>	<b>3,467.4</b>	<b>807.8</b>	<b>1,120.1</b>	<b>276.1</b>	<b>8,412.2</b>	<b>40,763.6</b>	<b>36,746.0</b>	<b>12,429.8</b>	<b>2,686.0</b>	<b>633.3</b>	<b>219.5</b>	<b>0.0</b>	<b>3,538.8</b>	<b>471.4</b>	<b>3,058.9</b>	<b>6,214.9</b>	<b>9,273.9</b>	<b>49,175.8</b>	<b>39,901.9</b>	

Color Code:	<span style="background-color: #ffffcc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Potable Use Data	<span style="background-color: #ffcc99; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Return Flow Data
	<span style="background-color: #ff9900; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Secondary Use Data	<span style="background-color: #ccffcc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Delivery Data
	<span style="background-color: #ffff00; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Indoor/Outdoor Use Data	<span style="background-color: #99ccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Depletion Data

**Treatment Facility Key:** t = Sewage Treatment Plant  
p = Facultative Ponds/Lagoons  
s = Septic Systems/Tanks



## **2.11 Southeast Colorado River Basin**

The Southeast Colorado River Basin covers 10,876 square miles (6,960,629 acres) of land in Utah and spans part of four counties: Grand, San Juan, Kane, and Garfield. Elevations within the basin peak at 12,721 feet above mean sea level in the La Sal Mountains east of Moab. Lake Powell has the lowest elevation at an average of 3,700 feet above mean sea level.

The Book Cliffs stand as the basin's northern boundary. Roughly half of the Utah/Colorado state line forms the eastern boundary, while two-thirds of the Utah/Arizona state line forms the southern boundary. The eastern boundary follows the Timber Mountains between the Paria drainage and Johnson Creek drainage. It then follows the Pink Cliffs in Bryce Canyon and then diverts in a southwesterly direction on the Kaiparowits Plateau and Fiftymile Mountain to the confluence of the San Juan River and the Colorado River (now in Lake Powell). The boundary continues along the Clay Hills and Elk Ridge to the confluence of the Green and Colorado rivers. Above this, the boundary follows the drainage divide between these two rivers and Book Cliffs over to the Utah-Colorado state line.

The basin spans all or part of three counties: Grand, San Juan and Garfield. The largest population centers are in Grand and San Juan Counties, including the cities of Moab, Blanding and Monticello.

### **2.11.1 Southeast Colorado River Basin Municipal and Industrial Water Use**

The total combined M&I water use is 8,381 ac-ft. Total non-potable water use is 2,706 ac-ft, with public community water systems using over half of that amount, with 1,476 ac-ft. Table 2-37 summarizes total water use in this basin. The Southeast Colorado River Basin currently has 25 public community water systems serving 17,710 people. The basin also has 36 public non-community systems. Figure 2-11 shows the locations of the public water systems within the basin.



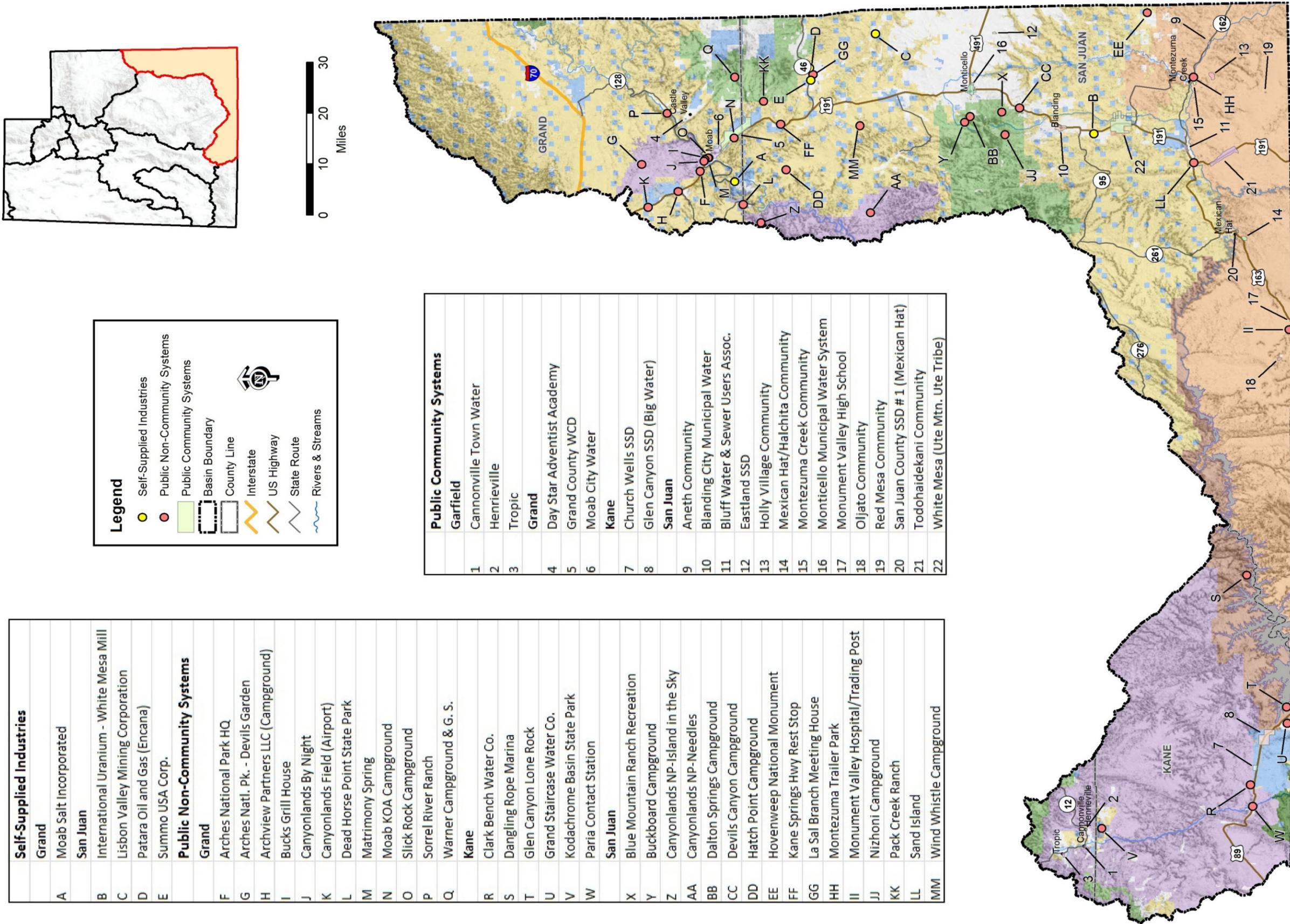


Figure 2-11 Southeast Colorado River Basin Public Water Systems



**Table 2-37 Southeast Colorado River Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	4,993.2	1,476.4	<b>6,469.6</b>
Public Non-Community	384.8	25.4	<b>410.2</b>
Self-Supplied Industries	1.6	1,204.7	<b>1,206.3</b>
Private Domestic	295.0	0.0	<b>295.0</b>
<b>Basin Total</b>	<b>5,674.6</b>	<b>2,706.5</b>	<b>8,381.1</b>

**2.11.2 Southeast Colorado River Basin Public Community Systems - Source of Supply**

Table 2-38 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Southeast Colorado River Basin by county and source.

**Table 2-38 Southeast Colorado River Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Garfield	472.4	457.0	0.0	<b>929.4</b>	350.8	<b>1,280.2</b>
Grand	1,680.0	4,495.0	3,500.0	<b>9,675.0</b>	600.0	<b>10,275.0</b>
Kane	0.0	1,199.0	0.0	<b>1,199.0</b>	4.8	<b>1,203.8</b>
San Juan	487.0	2,182.7	3,765.0	<b>6,434.7</b>	520.8	<b>6,955.5</b>
<b>Basin Totals</b>	<b>2,639.4</b>	<b>8,333.7</b>	<b>7,265.0</b>	<b>18,238.1</b>	<b>1,476.4</b>	<b>19,714.5</b>

**2.11.3 Southeast Colorado River Basin Public Community Systems -Water Use**

Table 2-39 shows the categorical total water use and per-capita water use rates for public community systems within the Southeast Colorado River Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-39 Southeast Colorado River Basin Total and Per-capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, unless noted)

<b>County</b>	<b>Garfield</b>	<b>Grand</b>	<b>Kane</b>	<b>San Juan</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>						
Residential Indoor	94.9	564.6	74.9	500.1	<b>1,234.5</b>	<b>62</b>
Residential Outdoor	61.4	880.9	168.5	745.3	<b>1,856.0</b>	<b>94</b>
Commercial	78.6	994.2	90.1	152.2	<b>1,315.1</b>	<b>66</b>
Institutional	50.5	179.5	98.4	210.2	<b>614.7</b>	<b>27</b>
Industrial/Stockwatering	0.6	1.9	20.6	25.9	<b>50.1</b>	<b>2</b>
<b>Total Potable Use</b>	<b>285.9</b>	<b>2,621.1</b>	<b>452.5</b>	<b>1,633.7</b>	<b>4,993.2</b>	<b>252</b>
<b>Non-Potable Use</b>						
Residential	241.0	39.0	3.5	281.5	<b>565.0</b>	<b>28</b>
Commercial	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0</b>
Institutional	109.8	550.0	1.4	238.2	<b>899.3</b>	<b>45</b>
Industrial/Stockwatering	0.0	11.0	0.0	1.1	<b>12.1</b>	<b>1</b>
<b>Total Non-Potable Use</b>	<b>350.8</b>	<b>600.0</b>	<b>4.8</b>	<b>520.8</b>	<b>1,476.4</b>	<b>74</b>
<b>Totals</b>	<b>636.7</b>	<b>3,221.1</b>	<b>457.3</b>	<b>2,154.6</b>	<b>6,469.6</b>	<b>326</b>

**2.11.4 Southeast Colorado River Basin M&I Water Deliveries and Depletions**

Table 2-40 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-40 Southeast Colorado River Basin M&I Deliveries and Depletions

## 2010 SOUTHEAST COLORADO RIVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE (Acre-Feet/Year)

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>Garfield County</b>																					
Cannonville Town	19.8	14.3	16.9	0.9	0.0	51.9	45.3	33.5	63.7	19.4	13.3	0.2	0.0	32.9	0.0	31.2	31.8	63.1	97.2	34.1	s
Henrieville	15.7	0.0	0.0	3.0	0.0	18.7	25.5	16.3	27.9	15.4	0.0	0.6	0.0	16.0	0.0	15.2	14.0	29.1	44.2	15.1	s
Ticaboo Special Service District	25.0	4.8	9.4	0.0	0.0	39.2	0.0	32.5	6.7	24.5	7.4	0.0	0.0	31.9	0.0	30.3	3.3	33.6	39.2	5.6	s
Tropic	34.4	42.3	52.3	46.6	0.6	176.1	280.0	86.1	370.0	33.7	41.0	9.1	0.0	83.8	15.3	66.8	185.0	251.8	456.1	204.3	p
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>94.9</b>	<b>61.4</b>	<b>78.6</b>	<b>50.5</b>	<b>0.6</b>	<b>285.9</b>	<b>350.8</b>	<b>168.5</b>	<b>468.3</b>	<b>93.0</b>	<b>61.6</b>	<b>9.9</b>	<b>0.0</b>	<b>164.5</b>	<b>15.3</b>	<b>143.5</b>	<b>234.1</b>	<b>377.6</b>	<b>636.7</b>	<b>259.1</b>	
Non-community Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	4.0	6.0	0.0	0.0	0.0	10.0	0.0	4.0	6.0	3.9	0.0	0.0	0.0	3.9	0.0	3.7	3.0	6.7	10.0	3.3	s
<b>COUNTY TOTALS</b>	<b>98.9</b>	<b>67.4</b>	<b>78.6</b>	<b>50.5</b>	<b>0.6</b>	<b>295.9</b>	<b>350.8</b>	<b>172.5</b>	<b>474.3</b>	<b>96.9</b>	<b>61.6</b>	<b>9.9</b>	<b>0.0</b>	<b>168.4</b>	<b>15.3</b>	<b>147.2</b>	<b>237.1</b>	<b>384.4</b>	<b>646.7</b>	<b>262.4</b>	
<b>Grand County</b>																					
Day Star Adventist Academy	3.5	0.0	0.0	3.0	1.0	7.5	0.0	5.1	2.4	3.4	0.0	0.6	0.0	4.0	0.0	3.8	1.2	5.0	7.5	2.5	s
Grand County WCD	229.2	437.3	117.0	3.7	0.9	788.1	600.0	324.4	1,063.7	224.6	91.7	0.7	0.0	317.1	0.0	310.7	531.8	842.6	1,388.1	545.5	t
Moab City Water	331.9	443.6	877.2	172.8	0.0	1,825.5	0.0	1,068.2	757.3	325.3	687.7	33.9	0.0	1,046.9	0.0	1,025.9	378.6	1,404.6	1,825.5	420.9	t
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>564.6</b>	<b>880.9</b>	<b>994.2</b>	<b>179.5</b>	<b>1.9</b>	<b>2,621.1</b>	<b>600.0</b>	<b>1,397.8</b>	<b>1,823.3</b>	<b>553.3</b>	<b>779.5</b>	<b>35.2</b>	<b>0.0</b>	<b>1,368.0</b>	<b>0.0</b>	<b>1,340.5</b>	<b>911.7</b>	<b>2,252.1</b>	<b>3,221.1</b>	<b>969.0</b>	
Non-community systems	8.3	0.0	85.8	9.6	0.0	103.7	25.4	78.9	50.2	8.1	67.3	1.9	0.0	77.3	0.0	73.4	25.1	98.5	129.1	30.6	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	969.7	969.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	969.7	969.7	s
Private Domestic Systems	50.0	130.0	0.0	0.0	0.0	180.0	0.0	50.0	130.0	49.0	0.0	0.0	0.0	49.0	0.0	46.6	65.0	111.6	180.0	68.5	s
<b>COUNTY TOTALS</b>	<b>622.9</b>	<b>1,010.9</b>	<b>1,080.0</b>	<b>189.1</b>	<b>1.9</b>	<b>2,904.8</b>	<b>1,595.1</b>	<b>2,496.3</b>	<b>2,003.6</b>	<b>610.4</b>	<b>846.7</b>	<b>37.1</b>	<b>0.0</b>	<b>1,494.2</b>	<b>0.0</b>	<b>1,460.5</b>	<b>1,001.8</b>	<b>2,462.2</b>	<b>4,499.9</b>	<b>2,037.6</b>	
<b>Kane County</b>																					
Church Wells SSD	13.7	59.9	0.0	0.0	0.0	73.6	0.0	13.7	59.9	13.4	0.0	0.0	0.0	13.4	0.0	12.8	30.0	42.7	73.6	30.9	s
National Park Sevice - Bullfrog Rec Site	27.1	50.5	78.8	62.8	0.0	219.2	0.0	102.7	116.5	26.6	61.8	12.3	0.0	100.6	0.0	95.6	58.3	153.9	219.2	65.3	s
Glen Canyon City SSD	34.1	58.1	11.3	35.6	20.6	159.7	4.8	70.8	93.6	33.4	8.8	7.0	0.0	49.2	0.0	46.8	46.8	93.6	164.5	70.9	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>74.9</b>	<b>168.5</b>	<b>90.1</b>	<b>98.4</b>	<b>20.6</b>	<b>452.5</b>	<b>4.8</b>	<b>187.2</b>	<b>270.0</b>	<b>73.4</b>	<b>70.6</b>	<b>19.3</b>	<b>0.0</b>	<b>163.3</b>	<b>0.0</b>	<b>155.1</b>	<b>135.0</b>	<b>290.1</b>	<b>457.3</b>	<b>167.1</b>	
Non-community Systems	9.2	0.0	83.1	9.9	0.0	102.2	0.0	77.7	24.5	9.0	65.2	1.9	0.0	76.1	0.0	72.3	12.3	84.6	102.2	17.6	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	2.0	3.0	0.0	0.0	0.0	5.0	0.0	2.0	3.0	2.0	0.0	0.0	0.0	2.0	0.0	1.9	1.5	3.4	5.0	1.6	s
<b>COUNTY TOTALS</b>	<b>86.1</b>	<b>171.5</b>	<b>173.2</b>	<b>108.3</b>	<b>20.6</b>	<b>559.7</b>	<b>4.8</b>	<b>266.9</b>	<b>297.6</b>	<b>84.4</b>	<b>135.7</b>	<b>21.2</b>	<b>0.0</b>	<b>241.4</b>	<b>0.0</b>	<b>229.3</b>	<b>148.8</b>	<b>378.1</b>	<b>564.5</b>	<b>186.4</b>	



Table 2-40 Southeast Colorado River Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletions	Sewage Treatment Type
<b>San Juan County</b>																					
Blanding City Municipal Water Sys.	207.9	509.4	72.5	16.1	0.0	806.0	199.8	269.2	736.6	203.7	56.9	3.2	0.0	263.8	114.4	144.1	368.3	512.4	1,005.8	493.4	t
Bluff Water & Sewer Users Assn.	18.5	11.3	32.9	1.8	0.0	64.5	0.0	45.1	19.3	18.1	25.8	0.4	0.0	44.2	0.0	42.0	9.7	51.7	64.5	12.8	s
Eastland Special Service District	11.3	1.1	0.0	0.2	0.0	12.6	0.0	11.3	1.3	11.1	0.0	0.0	0.0	11.1	0.0	10.9	0.6	11.5	12.6	1.1	p
National Park Sevice - Halls Crossing Marina	6.1	1.6	18.4	13.1	0.0	39.2	0.0	23.4	15.8	6.0	14.4	2.6	0.0	23.0	0.0	21.8	7.9	29.7	39.2	9.5	s
Monticello Municipal Water System	127.7	211.7	0.0	116.2	1.1	456.7	321.0	152.0	625.6	125.1	0.0	22.8	0.0	147.9	71.0	69.5	312.8	382.3	777.7	395.3	s
Monument Valley High School	6.6	9.9	0.0	24.8	0.0	41.3	0.0	11.6	29.7	6.5	0.0	4.9	0.0	11.3	0.0	10.8	14.9	25.6	41.3	15.7	s
Aneth Community	24.9	0.0	4.6	0.2	20.8	50.5	0.0	49.4	1.1	24.4	3.6	0.0	0.0	28.0	0.0	27.5	0.5	28.0	50.5	22.5	p
Holly Village Community	4.6	0.0	0.0	0.0	0.0	4.6	0.0	4.6	0.0	4.5	0.0	0.0	0.0	4.5	0.0	4.3	0.0	4.3	4.6	0.3	s
Mexican Hat / Halchita Community	16.6	0.0	3.8	11.5	0.1	32.0	0.0	22.0	10.0	16.3	3.0	2.3	0.0	21.5	0.0	21.1	5.0	26.1	32.0	5.9	t
Montezuma Creek Community	15.5	0.0	2.9	24.5	3.9	46.8	0.0	26.6	20.2	15.2	2.3	4.8	0.0	22.3	0.0	21.2	10.1	31.2	46.8	15.6	s
Oljato Community	20.4	0.0	1.8	0.1	0.0	22.3	0.0	21.9	0.4	20.0	1.4	0.0	0.0	21.4	0.0	21.0	0.2	21.2	22.3	1.1	t
Red Mesa Community	10.5	0.0	0.0	1.0	0.0	11.5	0.0	10.7	0.8	10.3	0.0	0.2	0.0	10.5	0.0	10.0	0.4	10.4	11.5	1.1	s
Todohaidekani Community	8.2	0.0	0.1	0.0	0.0	8.3	0.0	8.3	0.0	8.0	0.1	0.0	0.0	8.1	0.0	8.0	0.0	8.0	8.3	0.3	t
San Juan County SSD #1 (Mex. Hat)	1.0	0.3	15.2	0.7	0.0	17.2	0.0	13.3	3.9	1.0	11.9	0.1	0.0	13.0	0.0	12.4	1.9	14.3	17.2	2.9	s
White Mesa (Ute Mountain Ute Tribe)	20.3	0.0	0.0	0.0	0.0	20.3	0.0	20.3	0.0	19.9	0.0	0.0	0.0	19.9	0.0	19.5	0.0	19.5	20.3	0.8	t
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>500.1</b>	<b>745.3</b>	<b>152.2</b>	<b>210.2</b>	<b>25.9</b>	<b>1,633.7</b>	<b>520.8</b>	<b>689.8</b>	<b>1,464.7</b>	<b>490.1</b>	<b>119.3</b>	<b>41.2</b>	<b>0.0</b>	<b>650.6</b>	<b>185.4</b>	<b>443.9</b>	<b>732.3</b>	<b>1,176.3</b>	<b>2,154.5</b>	<b>978.3</b>	
Non-community Systems	55.1	0.0	92.3	31.5	0.0	178.9	0.0	135.2	43.7	54.0	72.4	6.2	0.0	132.5	0.0	125.9	21.8	147.7	178.9	31.2	s
Self-Supplied Industries	0.8	0.0	0.0	0.8	0.0	1.6	235.0	236.6	0.0	0.8	0.0	0.2	0.0	0.9	0.0	0.0	0.0	0.0	236.6	236.6	s
Private Domestic Systems	35.0	65.0	0.0	0.0	0.0	100.0	0.0	35.0	65.0	34.3	0.0	0.0	0.0	34.3	0.0	32.6	32.5	65.1	100.0	34.9	s
<b>COUNTY TOTALS</b>	<b>591.0</b>	<b>810.3</b>	<b>244.5</b>	<b>242.5</b>	<b>25.9</b>	<b>1,914.2</b>	<b>755.8</b>	<b>1,096.7</b>	<b>1,573.4</b>	<b>579.2</b>	<b>191.7</b>	<b>47.5</b>	<b>0.0</b>	<b>818.4</b>	<b>185.4</b>	<b>602.4</b>	<b>786.7</b>	<b>1,389.1</b>	<b>2,670.0</b>	<b>1,280.9</b>	
<b>BASIN COMMUNITY SYSTEMS</b>	<b>1,234.5</b>	<b>1,856.0</b>	<b>1,315.1</b>	<b>538.6</b>	<b>49.0</b>	<b>4,993.2</b>	<b>1,476.4</b>	<b>2,443.3</b>	<b>4,026.3</b>	<b>1,209.8</b>	<b>1,031.0</b>	<b>105.6</b>	<b>0.0</b>	<b>2,346.4</b>	<b>200.7</b>	<b>2,083.0</b>	<b>2,013.1</b>	<b>4,096.2</b>	<b>6,469.6</b>	<b>2,373.4</b>	
Total Non-Community Systems	72.6	0.0	261.2	51.0	0.0	384.8	25.4	291.8	118.4	71.1	204.8	10.0	0.0	285.9	0.0	271.6	59.2	330.9	410.2	79.4	
Self-Supplied Industries	0.8	0.0	0.0	0.8	0.0	1.6	1,204.7	1,206.3	0.0	0.8	0.0	0.2	0.0	0.9	0.0	0.0	0.0	0.0	1,206.3	1,206.3	
Private Domestic Systems	91.0	204.0	0.0	0.0	0.0	295.0	0.0	91.0	204.0	89.2	0.0	0.0	0.0	89.2	0.0	84.7	102.0	186.7	295.0	108.3	
<b>SOUTHEAST COLORADO BASIN TOTALS</b>	<b>1,398.9</b>	<b>2,060.0</b>	<b>1,576.3</b>	<b>590.3</b>	<b>49.0</b>	<b>5,674.6</b>	<b>2,706.5</b>	<b>4,032.3</b>	<b>4,348.7</b>	<b>1,370.9</b>	<b>1,235.8</b>	<b>115.7</b>	<b>0.0</b>	<b>2,722.4</b>	<b>200.7</b>	<b>2,439.4</b>	<b>2,174.4</b>	<b>4,613.7</b>	<b>8,381.1</b>	<b>3,767.3</b>	

Color Code:   
 Potable Use Data   
 Secondary Use Data   
 Indoor/Outdoor Use Data

Return Flow Data   
 Delivery Data   
 Depletion Data

Treatment Facility Key:

t = Sewage Treatment Plant   
p = Facultative Ponds/Lagoons   
s = Septic Systems/Tanks



## **2.12 Kanab Creek/Virgin River Basin**

The Utah portion of the Kanab Creek/Virgin River Basin includes approximately 3,500 square miles of land in the southwest corner of the state. Utah's portion of the basin extends from the Utah/Arizona state line on the south to the Bull Valley and Harmony Mountains to the north. On the west, the basin extends from the Utah/Nevada state line east to the divide between Johnson Wash and Gulch Tributaries.

Elevations within the basin vary from a high of 10,375 feet at Black Mountain in the Cedar Mountains and 10,365 feet at Signal Peak in the Pine Valley Mountains to 2,297 feet and 2,461 feet where the Beaver Dam Wash and Virgin River cross the Utah/Arizona state line. Notable features of the basin include Zion National Park, Snow Canyon State Park, Coral Pink Sand Dunes State Park, and a portion of the Grand Staircase-Escalante National Monument.

The basin spans all or part of three counties: Washington, Iron and Kane. The main population centers are located in Washington and Kane Counties, including the cities of St. George, Washington, Ivins, Santa Clara and Kanab.

### **2.12.1 Kanab Creek/Virgin River Basin Municipal and Industrial Water Use**

The total combined M&I water use is 54,512 ac-ft in the basin is almost entirely through public community systems. The majority of this use is potable water at 44,888 ac-ft. Non-potable water use is limited mostly to landscape irrigation for golf courses, parks, and some residential developments at a total of 9,624 ac-ft. Having one of the drier climates, high population growth, and many second homes, this basin has one of the highest per-capita water use in the state.

The basin has 42 public community water systems listed, including Freedonia, Arizona, serving 146,060 people (almost all of the 146,130 total basin population). Freedonia is included due to all of its water sources being located in Kane County. Figure 2-12 shows the locations of the public water systems within the basin. The basin also has 18 public non-community water systems serving national parks, state parks and other public areas. Table 2-41 s a summary of total water use in the basin.



Self-Supplied Industries		Washington		Public Community Systems		City of St. George	
Kane		K	Home Valley Park Subdivision	12	City of St. George	28	New Harmony Town Water
A	Staker and Parson Co.	L	Juniper Park Campground	13	Dammeron Valley Water Works	29	Pine Valley Irrigation Water Co.
Washington		M	Little Creek Travel Center	14	Diamond Ranch Academy	30	Pine Valley Mt. Farms Water Co.
B	Quality Excavation Inc.	N	Oak Grove Campground	15	Diamond Valley Acres Water Co.	31	Rockville Pipeline Co.
C	Staker Parsons Co. - Western Rock Products	O	Spruce Culinary Water Company	16	Dixie Deer SSD	32	Santa Clara Municipal Water System
Public Non-Community Systems		P	Terrace Drive Subdivision	17	Gunlock SSD	33	Springdale Culinary Water
Iron		Q	Woodland & Kolob Acres	18	Harmony Farms Water Users	34	Toquerville Water Dept.
D	Kanarraville State Hwy RS	R	Zion NP East Canyon	19	Harmony Heights	35	Veyo Culinary Water Association
Kane		S	Zion NP Kolob Visitor Center	20	Hildale/Colorado City	36	Virgin Water Dept.
E	Best Friends Sanctuary	T	Zion NP Sinawava Temple	21	Homespun Village Water Company	37	Washington County WCD
F	Bryce Zion KOA	U	Zion Panorama Subdivision	22	Hurricane City Water System	38	Washington County WCD - East Leeds Retail (Casa De Oro)
G	Coral Pink Sand Dunes			23	Ivins City	39	Washington County WCD - Hurricane Valley Retail
H	East Zion SSD			24	Kayenta Water Users Assoc.	40	Washington Municipal Water System
I	Zion Frontier Resort (Mukuntuweap RV Park)			25	LaVerkin City	41	Winchester Hills Water Co.
J	Zion Mountain Resort			26	Leeds Domestic Water Users Assoc.	42	Zion Canyon Water System
				27	Mountain Springs Water Co.		

**Legend**

- Self-Supplied Industries
- Public Non-Community Systems
- Public Community Systems
- Basin Boundary
- County Line
- Interstate
- US Highway
- State Route
- Rivers & Streams

0 5 10 15 Miles

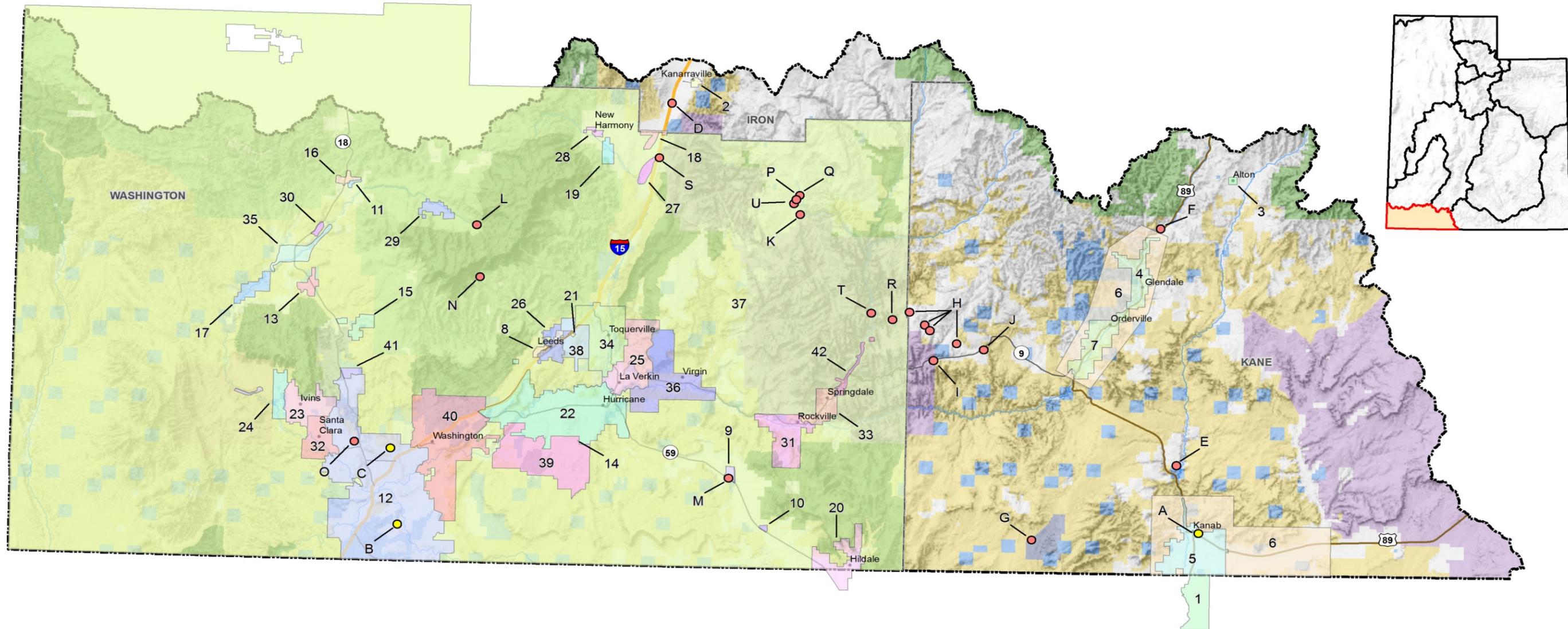


Figure 2-12 Kanab/Creek Virgin River Basin Public Water Systems



**Table 2-41 Kanab/Creek Virgin River Basin Water Use**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	44,309.0	8,899.9	<b>53,208.9</b>
Public Non-Community	145.5	0.0	<b>145.5</b>
Self-Supplied Industries	415.8	723.7	<b>1,139.5</b>
Private Domestic	18.0	0.0	<b>18.0</b>
<b>Basin Total</b>	<b>44,888.3</b>	<b>9,623.6</b>	<b>54,511.9</b>

**2.12.2 Kanab Creek/Virgin River Basin Public Community Systems - Source of Supply**

Table 2-42 indicates the breakdown of the reliable annual water supplies for all public community water systems in the Kanab Creek/Virgin River Basin by county and source.

**Table 2-42 Kanab/Creek Virgin River Basin Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

County	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Iron	33.0	201.0	0.0	<b>234.0</b>	40.0	<b>274.0</b>
Kane	637.6	3,045.6	0.0	<b>3,683.2</b>	355.0	<b>4,038.2</b>
Washington	7,011.8	24,739.7	27,418.0	<b>59,169.5</b>	8,504.9	<b>67,674.4</b>
<b>Basin Totals</b>	<b>7,682.4</b>	<b>27,986.3</b>	<b>27,418.0</b>	<b>63,086.7</b>	<b>8,999.9</b>	<b>71,986.6</b>

**2.12.3 Kanab Creek/Virgin River Basin Public Community Systems - Water Use**

Table 2-43 shows the categorical total water use and per-capita water use rates for public community systems within the Kanab Creek/Virgin River Basin. The non-potable water use is irrigation water supplied within the public community water system boundaries. The industrial use category indicates industrial water supplied only by the public community systems.

**Table 2-43 Kanab/Creek Virgin River Basin Total and Per-capita Water Use of Public Community Water Systems**

(Acre-Feet/Year, unless noted)

<b>County</b>	<b>Iron</b>	<b>Kane</b>	<b>Washington</b>	<b>Total</b>	<b>GPCD</b>
<b>Potable Use</b>					
Residential Indoor	25.0	511.1	9,699.3	<b>10,235.4</b>	<b>63</b>
Residential Outdoor	95.0	977.6	12,598.4	<b>13,671.0</b>	<b>84</b>
Second Home Indoor	0.0	37.0	1,644.5	<b>1,681.5</b>	<b>10</b>
Second Home Outdoor	0.0	63.0	4,011.5	<b>4,074.5</b>	<b>25</b>
Commercial	2.0	274.7	10,503.0	<b>10,779.7</b>	<b>66</b>
Institutional	5.0	432.2	2,876.3	<b>3,313.5</b>	<b>20</b>
Industrial/Stockwatering	5.0	6.6	541.8	<b>553.4</b>	<b>3</b>
<b>Total Potable Use</b>	<b>132.0</b>	<b>2,302.2</b>	<b>41,874.8</b>	<b>44,309.0</b>	<b>271</b>
<b>Non-Potable Use</b>					<b>0</b>
Residential	40.0	259.0	1,822.1	<b>2,121.1</b>	<b>13</b>
Commercial	0.0	0.0	2,473.0	<b>2,473.0</b>	<b>15</b>
Institutional	0.0	96.0	4,164.9	<b>4,260.9</b>	<b>26</b>
Industrial/Stockwatering	0.0	0.0	44.9	<b>44.9</b>	<b>0</b>
<b>Total Non-Potable Use</b>	<b>40.0</b>	<b>355.0</b>	<b>8,504.9</b>	<b>8,899.9</b>	<b>54</b>
<b>Totals</b>	<b>172.0</b>	<b>2,657.2</b>	<b>50,379.7</b>	<b>53,208.9</b>	<b>325</b>

#### 2.12.4 Kanab Creek/Virgin River Basin M&I Water Deliveries and Depletions

Table 2-44 indicates both the deliveries and depletions of all the M&I water use in the basin.

For more detailed information for individual water providers you may contact the Division of Water Resources via phone at 801-538-7230.

Table 2-44 Kanab Creek/Virgin River Basin M&I Deliveries and Depletions

**2010 KANAB/VIRGIN RIVER BASIN MUNICIPAL AND INDUSTRIAL DEPLETION TABLE**  
(Acre-Feet/Year)

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Second Home Indoor Use	Second Home Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletion	Sewage Treatment Type
<b>Iron County</b>																							
Kanarraville	25.0	95.0	0.0	0.0	2.0	5.0	5.0	132.0	40.0	32.6	139.4	24.5	1.6	1.0	0.0	27.0	0.0	25.7	69.7	95.4	172.0	76.6	s
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>25.0</b>	<b>95.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>5.0</b>	<b>5.0</b>	<b>132.0</b>	<b>40.0</b>	<b>32.6</b>	<b>139.4</b>	<b>24.5</b>	<b>1.6</b>	<b>1.0</b>	<b>0.0</b>	<b>27.0</b>	<b>0.0</b>	<b>25.7</b>	<b>69.7</b>	<b>95.4</b>	<b>172.0</b>	<b>76.6</b>	
Non-community Systems	0.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0	0.0	5.0	20.0	0.0	0.0	4.9	0.0	4.9	0.0	4.7	10.0	14.7	25.0	10.3	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	s
Private Domestic Systems	1.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.9	1.0	1.9	3.0	1.1	s
<b>COUNTY TOTALS</b>	<b>26.0</b>	<b>97.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>30.0</b>	<b>5.0</b>	<b>160.0</b>	<b>40.0</b>	<b>38.6</b>	<b>161.4</b>	<b>25.5</b>	<b>1.6</b>	<b>5.9</b>	<b>0.0</b>	<b>32.9</b>	<b>0.0</b>	<b>31.3</b>	<b>80.7</b>	<b>112.0</b>	<b>200.0</b>	<b>88.0</b>	
<b>Kane County</b>																							
Alton	7.3	4.5	0.0	0.0	0.1	0.1	0.0	12.0	16.0	7.4	20.6	7.2	0.1	0.0	0.0	7.3	0.0	6.9	10.3	17.2	28.0	10.8	s
Glendale	26.1	14.8	2.0	5.0	0.6	1.1	0.3	49.9	89.0	29.1	109.8	25.6	0.5	0.2	0.0	26.3	10.0	15.8	54.9	70.7	138.9	68.2	p
Kanab	289.8	384.2	20.0	50.0	221.0	391.0	4.6	1,360.6	80.0	569.4	871.2	284.0	173.3	76.6	0.0	533.9	260.0	263.2	435.6	698.8	1,440.6	741.8	p
Kane County WCD	65.0	3.0	12.0	2.0	12.0	0.0	0.0	94.0	0.0	86.6	7.4	63.7	9.4	0.0	0.0	73.1	0.0	69.5	3.7	73.2	94.0	20.8	s
Orderville	37.5	33.2	3.0	6.0	37.4	39.0	1.7	157.8	170.0	79.9	247.9	36.8	29.3	7.6	0.0	73.7	23.3	49.0	123.9	172.9	327.8	154.9	p
Fredonia, Arizona	85.4	537.9	0.0	0.0	3.6	1.0	0.0	627.9	0.0	88.5	539.4	83.7	2.8	0.2	0.0	86.7	117.0	0.0	269.7	269.7	627.9	358.2	p
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>511.1</b>	<b>977.6</b>	<b>37.0</b>	<b>63.0</b>	<b>274.7</b>	<b>432.2</b>	<b>6.6</b>	<b>2,302.2</b>	<b>355.0</b>	<b>860.9</b>	<b>1,796.3</b>	<b>500.9</b>	<b>215.4</b>	<b>84.7</b>	<b>0.0</b>	<b>801.0</b>	<b>410.3</b>	<b>404.3</b>	<b>898.2</b>	<b>1,302.4</b>	<b>2,657.2</b>	<b>1,354.8</b>	
Non-community Systems	27.9	29.6	0.0	0.0	44.0	2.0	1.6	105.1	0.0	65.1	40.0	27.3	34.5	0.4	0.0	62.2	0.0	59.1	20.0	79.1	105.1	26.0	s
Self-Supplied Industries	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	2.0	2.0	s
Private Domestic Systems	2.0	3.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	2.0	3.0	2.0	0.0	0.0	0.0	2.0	0.0	1.9	1.5	3.4	5.0	1.6	s
<b>COUNTY TOTALS</b>	<b>541.0</b>	<b>1,010.2</b>	<b>37.0</b>	<b>63.0</b>	<b>320.7</b>	<b>434.2</b>	<b>8.2</b>	<b>2,414.3</b>	<b>355.0</b>	<b>930.0</b>	<b>1,839.3</b>	<b>530.2</b>	<b>251.4</b>	<b>85.1</b>	<b>0.0</b>	<b>866.7</b>	<b>410.3</b>	<b>465.3</b>	<b>919.6</b>	<b>1,384.9</b>	<b>2,769.3</b>	<b>1,384.4</b>	
<b>Washington County</b>																							
Angell Springs SSD	20.1	2.4	3.0	4.0	0.0	0.0	1.0	30.5	0.0	24.1	6.4	19.7	0.0	0.0	0.0	19.7	0.0	18.7	3.2	21.9	30.5	8.6	s
Apple Valley Water Company	34.7	38.9	5.0	12.0	0.0	0.0	0.0	90.6	0.0	39.7	50.9	34.0	0.0	0.0	0.0	34.0	10.0	22.3	25.5	47.8	90.6	42.8	s
Cedar Point Water Company	9.7	0.5	1.5	0.5	0.0	4.0	0.0	16.2	0.0	12.0	4.2	9.5	0.0	0.8	0.0	10.3	260.0	0.0	2.1	2.1	16.2	14.1	s
Central Culinary Water	5.8	0.0	2.0	0.0	0.0	0.0	1.1	8.9	15.0	8.9	15.0	5.7	0.0	0.0	0.0	5.7	0.0	5.4	7.5	12.9	23.9	11.0	s
Dammeron Valley Water Works	56.3	164.9	12.0	24.0	0.8	1.7	0.0	259.7	0.0	69.3	190.4	55.2	0.6	0.3	0.0	56.1	23.3	30.1	95.2	125.3	259.7	134.4	s
Diamond Ranch Academy	6.9	51.5	0.0	0.0	9.3	0.0	1.0	68.7	0.0	15.3	53.4	6.8	7.3	0.0	0.0	14.1	117.0	0.0	26.7	26.7	68.7	42.0	s
Diamond Valley Acres	77.8	166.5	6.0	12.0	0.0	25.9	0.0	288.2	0.0	89.0	199.2	76.2	0.0	5.1	0.0	81.3	0.0	77.3	99.6	176.9	288.2	111.3	s
Dixie Deer SSD	34.0	7.6	10.0	19.0	6.8	4.6	0.0	82.0	0.0	50.4	31.6	33.3	5.3	0.9	0.0	39.6	0.0	37.6	15.8	53.4	82.0	28.6	s
Gunlock SSD	5.0	0.7	2.5	0.5	0.0	0.0	1.8	10.5	30.0	9.3	31.2	4.9	0.0	0.0	0.0	4.9	0.0	4.7	15.6	20.3	40.5	20.2	s



2-44 Kanab Creek/Virgin River Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Second Home Indoor Use	Second Home Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletion	Sewage Treatment Type
Harmony Farms Water Users	25.7	34.6	3.0	4.0	2.0	8.5	0.0	77.8	0.0	32.0	45.8	25.2	1.6	1.7	0.0	28.4	0.0	27.0	22.9	49.9	77.8	27.9	s
Harmony Heights	9.0	4.6	1.5	1.5	0.0	0.0	1.0	17.6	0.0	11.5	6.1	8.8	0.0	0.0	0.0	8.8	0.0	8.4	3.1	11.4	17.6	6.2	s
Hilldale/Colorado City	523.0	437.5	0.0	0.0	152.6	63.0	15.1	1,191.2	0.0	672.8	518.4	512.5	119.6	12.3	0.0	644.5	0.0	631.6	259.2	890.8	1,191.2	300.4	p
Homespun Village Water Company	4.2	0.8	0.0	0.0	0.0	0.0	0.2	5.2	0.0	4.4	0.8	4.1	0.0	0.0	0.0	4.1	0.0	3.9	0.4	4.3	5.2	0.9	s
Hurricane City Water System	923.6	557.0	150.0	300.0	749.0	339.8	0.6	3,020.0	2,161.3	1,741.4	3,439.9	905.1	587.2	66.6	0.0	1,558.9	0.0	1,527.8	1,720.0	3,247.7	5,181.3	1,933.6	p
Ivins City	445.2	587.2	70.0	150.0	86.5	98.7	3.0	1,440.6	80.7	607.1	914.2	436.3	67.8	19.3	0.0	523.5	0.0	513.0	457.1	970.1	1,521.3	551.2	t
Kayenta Water Users Association	34.7	33.4	10.0	13.0	23.3	28.2	0.0	142.6	0.0	69.0	73.6	34.0	18.3	5.5	0.0	57.8	0.0	54.9	36.8	91.7	142.6	50.9	s
La Verkin City	282.0	114.1	15.0	25.0	19.2	75.5	1.4	532.2	242.8	328.9	446.1	276.4	15.1	14.8	0.0	306.2	0.0	300.1	223.1	523.2	775.0	251.8	p
Leeds Domestic Water Users Assoc.	56.9	140.2	7.0	13.0	7.5	25.0	0.0	249.6	50.0	74.9	224.7	55.8	5.9	4.9	0.0	66.5	0.0	63.2	112.4	175.6	299.6	124.0	s
Mountain Springs Water Company	20.1	6.1	3.0	3.0	0.0	0.0	0.0	32.2	0.0	23.1	9.1	19.7	0.0	0.0	0.0	19.7	0.0	18.7	4.6	23.3	32.2	8.9	s
New Harmony Town Water	14.6	52.4	2.0	5.0	1.8	6.3	0.0	82.1	23.0	19.3	85.8	14.3	1.4	1.2	0.0	17.0	0.0	16.1	42.9	59.0	105.1	46.1	s
Pine Valley Irrigation Company	11.1	9.3	3.0	3.0	1.0	0.0	0.0	27.4	20.0	14.9	32.5	10.9	0.8	0.0	0.0	11.7	0.0	11.1	16.3	27.3	47.4	20.1	s
Pine Valley Mountain Farms Water Co.	10.4	94.1	4.0	9.0	0.0	6.0	0.0	123.5	0.0	15.6	107.9	10.2	0.0	1.2	0.0	11.4	0.0	10.8	54.0	64.7	123.5	58.8	s
Rockville Pipeline Company	17.4	3.9	5.0	6.0	0.0	0.0	0.0	32.3	62.0	22.4	71.9	17.1	0.0	0.0	0.0	17.1	0.0	16.7	36.0	52.7	94.3	41.6	p
Santa Clara Municipal Water System	428.5	603.6	35.0	70.0	77.1	345.0	5.0	1,564.2	15.0	599.2	980.0	419.9	60.4	67.6	0.0	548.0	0.0	537.0	490.0	1,027.0	1,579.2	552.2	t
Springdale Culinary Water	15.0	2.8	7.0	15.0	103.9	8.0	0.0	151.7	102.4	106.7	147.4	14.7	81.5	1.6	0.0	97.7	0.0	95.8	73.7	169.5	254.1	84.6	p
St. George, City of	5052.4	6437.5	1000.0	2780.0	8256.1	1457.0	467.6	25,450.6	4,690.3	13,416.3	16,724.6	4,951.4	6,472.8	285.6	0.0	11,709.7	217.5	11,258.1	8,362.3	19,620.4	30,140.9	10,520.5	t
Toquerville Water Department	95.1	180.4	6.0	15.0	0.0	15.0	0.0	311.5	178.0	104.1	385.4	93.2	0.0	2.9	0.0	96.1	0.0	94.2	192.7	286.9	489.5	202.6	p
Veyo Culinary Water Association	36.8	176.2	4.0	10.0	9.0	1.0	26.0	263.0	0.0	74.2	188.8	36.1	7.1	0.2	0.0	43.3	150.3	0.0	94.4	94.4	263.0	168.6	s
Virgin Water Department	41.7	75.7	0.0	0.0	6.8	1.1	0.0	125.3	42.0	47.4	119.9	40.9	5.3	0.2	0.0	46.4	0.0	44.1	60.0	104.1	167.3	63.2	s
Washington County WCD																							
WCWCD-Casa De Oro Retail	8.1	1.0	2.0	0.0	0.0	0.0	0.0	11.1	0.0	10.1	1.0	7.9	0.0	0.0	0.0	7.9	21.5	0.0	0.5	0.5	11.1	10.6	s
WCWCD-Hurricane Valley Retail	18.4	0.0	17.0	0.0	7.7	4.1	4.1	51.3	0.0	46.5	4.8	18.0	6.0	0.8	0.0	24.9	0.0	23.6	2.4	26.0	51.3	25.3	s
Washington Municipal Water System	1302.9	2495.1	250.0	500.0	982.6	254.8	12.9	5,798.3	792.4	2,402.8	4,187.9	1,276.8	770.4	49.9	0.0	2,097.1	0.0	2,055.2	2,093.9	4,149.1	6,590.7	2,441.6	t
Winchester Hills Water Company	62.5	101.3	8.0	17.0	0.0	0.0	0.0	188.8	0.0	70.5	118.3	61.3	0.0	0.0	0.0	61.3	0.0	58.2	59.2	117.3	188.8	71.5	s
Zion Canyon Water System	9.7	16.6	0.0	0.0	0.0	103.1	0.0	129.4	0.0	30.3	99.1	9.5	0.0	20.2	0.0	29.7	0.0	29.1	49.5	78.7	129.4	50.7	p
<b>TOTAL COMMUNITY SYSTEMS</b>	<b>9,699.3</b>	<b>12,598.4</b>	<b>1,644.5</b>	<b>4,011.5</b>	<b>10,503.0</b>	<b>2,876.3</b>	<b>541.8</b>	<b>41,874.8</b>	<b>8,504.9</b>	<b>20,863.2</b>	<b>29,516.4</b>	<b>9,505.3</b>	<b>8,234.4</b>	<b>563.8</b>	<b>0.0</b>	<b>18,303.4</b>	<b>799.4</b>	<b>17,594.6</b>	<b>14,758.2</b>	<b>32,352.8</b>	<b>50,379.7</b>	<b>18,026.8</b>	
Non-community Systems	4.8	0.0	0.0	0.0	0.5	10.1	0.0	15.4	0.0	7.2	8.2	4.7	0.4	2.0	0.0	7.1	0.0	6.7	4.1	10.8	15.4	4.6	s
Self-Supplied Industries	10.3	0.0	0.0	0.0	0.0	0.0	403.5	413.8	723.7	1,137.5	0.0	10.1	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	1,137.5	1,137.5	s
Private Domestic Systems	4.0	6.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	4.0	6.0	3.9	0.0	0.0	0.0	3.9	0.0	3.7	3.0	6.7	10.0	3.3	s
<b>COUNTY TOTALS</b>	<b>9,718.4</b>	<b>12,604.4</b>	<b>1,644.5</b>	<b>4,011.5</b>	<b>10,503.5</b>	<b>2,886.4</b>	<b>945.3</b>	<b>42,314.0</b>	<b>9,228.6</b>	<b>22,011.9</b>	<b>29,530.6</b>	<b>9,524.0</b>	<b>8,234.7</b>	<b>565.7</b>	<b>0.0</b>	<b>18,324.5</b>	<b>799.4</b>	<b>17,605.0</b>	<b>14,765.3</b>	<b>32,370.3</b>	<b>51,542.6</b>	<b>19,172.2</b>	



2-44 Kanab Creek/Virgin River Basin M&I Deliveries and Depletions Continued

WATER SUPPLIER	Potable Residential Indoor Use	Potable Residential Outdoor Use	Second Home Indoor Use	Second Home Outdoor Use	Potable Commercial Use	Potable Institutional Use	Potable Industrial/ Stockwater Use	Total Potable Use	Total Secondary Water Use	Total Indoor Use	Total Outdoor Use	Residential Indoor Return Flow	Commercial Indoor Return Flow	Institutional Indoor Return Flow	Industrial/ Stockwater Indoor Return Flow	Total Indoor Return Flow To Treatment Facility	Pond Evaporation	Treatment Facility Outflow (Indoor Return Flow)	Outdoor Return Flow	Total Return Flow	Total Deliveries	Total Depletion	Sewage Treatment Type
<b>BASIN COMMUNITY SYSTEMS</b>	10,235.4	13,671.0	1,681.5	4,074.5	10,779.7	3,313.5	553.4	44,309.0	8,899.9	21,756.7	31,452.1	10,030.7	8,451.3	649.4	0.0	19,131.4	1,209.7	18,024.6	15,726.1	33,750.6	53,208.9	19,458.2	
Total Non-Community Systems	32.7	29.6	0.0	0.0	44.5	37.1	1.6	145.5	0.0	77.3	68.2	32.0	34.9	7.3	0.0	74.2	0.0	70.5	34.1	104.6	145.5	40.9	
Self-Supplied Industries	10.3	0.0	0.0	0.0	2.0	0.0	403.5	415.8	723.7	1,139.5	0.0	10.1	1.6	0.0	0.0	11.7	0.0	0.0	0.0	0.0	1,139.5	1,139.5	
Private Domestic Systems	7.0	11.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	7.0	11.0	6.9	0.0	0.0	0.0	6.9	0.0	6.5	5.5	12.0	18.0	6.0	
<b>KANAB/VIRGIN BASIN TOTALS</b>	10,285.4	13,711.6	1,681.5	4,074.5	10,826.2	3,350.6	958.5	44,888.2	9,623.6	22,980.5	31,531.3	10,079.7	8,487.7	656.7	0.0	19,224.1	1,209.7	18,101.6	15,765.7	33,867.2	54,511.8	20,644.6	

Color Code: 

	Potable Use Data
	Secondary Use Data
	Indoor/Outdoor Use Data

	Return Flow Data
	Delivery Data
	Depletion Data

Treatment Facility Key: t = Sewage Treatment Plant  
p = Facultative Ponds/Lagoons  
s = Septic Systems/Tanks



### **Section 3**

## **STATEWIDE SUMMARY**

Within the state of Utah there is over 54,000,000 acres of land area, about 1,700,000 of which is covered by various bodies of water (most notably the Great Salt Lake). As indicated in the introduction, there are 12 hydrologic basins within the state boundaries (see Figure 2-1). The previous section presented a summary of the data contained in the individual Municipal and Industrial (M&I) Water Supply Studies for the hydrologic basins. This section presents a summary of the combined data for a statewide overview of the year 2010.

### **3.1 Statewide Municipal and Industrial Water Use**

The Division of Water Resources (DWRe) has comprehensively surveyed close to 1,000 water systems, throughout the state, in collecting the 2010 base year M&I water use data summarized in this report. Each water system was individually surveyed and all data concerning the system water deliveries was carefully reviewed, often in person with the system managers and/or operators. The data associated with water deliveries (water use) are as accurate as possible for each of the hydrologic basins and is representative of the calendar year of 2010 total water use statewide. The data is also representative of the current M&I water use patterns and trends in the state. Table 3-1 shows the detail of this 2010 statewide water use by all categories of water systems of this report.

The total 2010 combined M&I water use of the state, potable and non-potable is 998,524 acre-feet (ac-ft) annually. Non-potable water deliveries account for approximately one-fourth of overall water use, at 254,926 ac-ft of water annually. Additionally, large amounts of saline water are used from and around the Great Salt Lake for industrial purposes. However, it is not included in any of the figures in this report.

Potable water use in the state totals 743,597 ac-ft per year. The public community water systems surveyed over the course of the studies account for the majority of potable water at a total of 564,330 ac-ft annually. The combined categories of public community and self-supplied industries account for nearly all the M&I water use within the state.

**Table 3-1 2010 Total Water Use of All Water Systems**

(Acre-Feet/Year)

Water System Category	Water Use		Total
	Potable	Non-Potable	
Public Community	564,330.3	171,594.2	<b>735,924.4</b>
Public Non-Community	9,400.5	4,193.5	<b>13,594.0</b>
Self-Supplied Industries	162,899.2	79,138.6	<b>242,037.8</b>
Private Domestic	6,967.3	0.0	<b>6,967.3</b>
<b>Statewide Total</b>	<b>743,597.3</b>	<b>254,926.3</b>	<b>998,523.6</b>

**3.2 Statewide Public Community Systems - Source of Supply**

Table 3-2 illustrates the reliable water supplies, by basin, for all public community water systems of the state. Reliable water supply is a useful tool for water resources planning, especially in looking at the ability of water systems to meet future demands. Although not shown here, maximum water supply is also data that is collected. For this information, please contact the Utah Division of Water Resources at 801-538-7230.

**Table 3-2 Reliable Potable and Non-Potable Water Supplies for Public Community Systems**

(Acre-Feet/Year)

Basin	Springs	Wells	Surface	Potable Total	Non-Potable	Total
Columbia River/West Desert	1,970.3	18,888.4	0.0	<b>20,858.7</b>	3,274.0	<b>24,132.7</b>
Bear River	26,799.5	60,894.0	0.0	<b>87,693.5</b>	9,859.0	<b>97,552.5</b>
Weber River	7,848.3	106,764.0	60,361.0	<b>174,973.3</b>	68,018.3	<b>242,991.6</b>
Utah Lake	34,773.7	106,717.1	38,026.0	<b>179,516.8</b>	44,368.8	<b>223,885.6</b>
Jordan River	6,069.0	109,267.0	176,689.0	<b>292,025.0</b>	18,095.9	<b>310,120.9</b>
Sevier River	10,653.2	17,746.7	23.4	<b>28,423.3</b>	4,078.4	<b>32,501.7</b>
Cedar/Beaver	6,168.2	21,288.0	0.0	<b>27,456.2</b>	3,174.4	<b>30,630.6</b>
Uintah	7,322.4	6,879.5	19,130.0	<b>33,331.9</b>	2,441.1	<b>35,773.0</b>
West Colorado	5,941.0	2,272.0	9,603.0	<b>17,816.0</b>	7,908.0	<b>25,724.0</b>
Southeast Colorado	2,639.4	8,333.7	7,265.0	<b>18,238.1</b>	1,476.4	<b>19,714.5</b>
Kanab/Virgin	7,682.4	27,986.3	27,418.0	<b>63,086.7</b>	8,899.9	<b>71,986.6</b>
<b>Statewide Total</b>	<b>117,867.5</b>	<b>487,036.7</b>	<b>338,515.4</b>	<b>943,419.5</b>	<b>171,594.2</b>	<b>1,115,013.7</b>

Over half of the reliable water supply for public community systems in the state comes from groundwater, withdrawn from wells. Although most areas of the state are not depleting their groundwater resources, some developing and/or expanding communities are approaching and/or at times, exceeding the “safe” yield of the ground-water aquifers. For more specific and comprehensive information on the ground-water conditions of the state, please refer to the annual report entitled Ground-Water Conditions in Utah by the DWRe, Utah Division of Water Rights (DWRi), and the U.S. Geological Survey (USGS). The report may be viewed online at [www.ut.water.usgs.gov](http://www.ut.water.usgs.gov) under the publications tab.

### **3.3 Public Community Systems - Statewide Water Use**

Collectively, the public community water systems of the state provide (or use) the largest total delivered amount of water at 735,924 ac-ft. These water systems provide water to about 98 percent of the total population in the state.

Particularly for public water supply systems, the amount of water delivered to or used per person per day is considered to be a standard comparative value. The overall statewide figures for the year 2010 indicate an average statewide water usage rate of 241 gallons per capita per day (gpcd) (185 potable; 56 non-potable) for public community water systems. Of this, 167 gpcd is for residential uses, both indoor and outdoor; potable and non-potable. Table 3-3 shows the categorical total water use and the per-capita water use rates for public community water systems in the state of Utah.

As for each of the individual water systems, counties or basins, the non-potable water use indicated in the tables is that which secondary irrigation systems supply only within the boundaries of the public community water system. The industrial use category indicates the industrial water supplied only by public community water systems and does not include the water used by non-community non-transient water systems, previously categorized as self-supplied industries.



Table 3-3 2010 Statewide Water Use Public Community Systems

Hydrologic River Basin	Bear River		Cedar/Beaver		Jordan River		Kanab/Virgin		Southeast Colorado		Sevier River		Uinta		Utah Lake		Weber		West Colorado		West Desert		Statewide Total		
Population (2010)	156,930		50,130		1,031,130		146,060		17,710		57,790		49,890		544,910		580,130		35,560		56,410		2,726,650		
Water Use Category	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	Ac-Ft/Yr	GPCD	
<b>Potable</b>																									
<b>Residential:</b>	Indoor	10,708.7	61	3,237.9	58	71,731.7	62	10,233.4	63	1,234.5	62	3,996.1	62	3,429.4	61	34,155.9	56	38,512.0	59	2,609.3	66	3,858.4	61	183,709.4	60
	Outdoor	15,303.8	87	5,945.4	106	88,532.1	77	13,761.0	84	1,856.0	94	5,818.5	90	5,896.0	106	27,985.2	46	29,736.5	46	3,266.3	82	5,554.9	88	203,565.8	67
	<b>Total</b>	<b>26,012.5</b>	<b>148</b>	<b>9,183.4</b>	<b>164</b>	<b>160,263.8</b>	<b>139</b>	<b>23,906.4</b>	<b>146</b>	<b>3,090.5</b>	<b>156</b>	<b>9,814.7</b>	<b>152</b>	<b>9,325.4</b>	<b>167</b>	<b>62,141.1</b>	<b>102</b>	<b>68,248.5</b>	<b>105</b>	<b>5,875.6</b>	<b>148</b>	<b>9,413.3</b>	<b>149</b>	<b>387,275.2</b>	<b>127</b>
<b>Commercial:</b>	Indoor (80%)	4,770.7	27	1,527.1	27	32,957.4	29	10,305.2	63	1,052.1	53	1,139.0	18	1,050.6	19	16,004.9	26	10,139.1	16	621.1	16	1,073.7	17	80,640.9	26
	Outdoor (20%)	1,192.7	7	381.8	7	8,239.5	7	6,230.5	38	263.0	13	284.8	4	262.7	5	4,001.3	7	2,534.8	4	155.3	4	268.4	4	23,814.8	8
	<b>Total</b>	<b>5,963.4</b>	<b>34</b>	<b>1,908.8</b>	<b>34</b>	<b>41,196.9</b>	<b>36</b>	<b>16,535.7</b>	<b>101</b>	<b>1,315.1</b>	<b>66</b>	<b>1,423.8</b>	<b>22</b>	<b>1,313.3</b>	<b>24</b>	<b>20,006.3</b>	<b>33</b>	<b>12,673.9</b>	<b>20</b>	<b>776.4</b>	<b>19</b>	<b>1,342.1</b>	<b>21</b>	<b>104,445.6</b>	<b>34</b>
<b>Institutional:</b>	Indoor (20%)	557.1	3	216.3	4	4,624.6	4	662.7	4	107.7	5	566.0	9	383.6	7	1,167.6	2	1,915.5	3	211.3	5	353.6	6	10,766.1	4
	Outdoor (80%)	2,228.2	13	865.0	15	18,496.8	16	2,650.8	16	430.8	22	2,263.9	35	1,534.2	27	4,670.1	8	7,661.3	12	845.2	21	1,414.2	22	43,060.5	14
	<b>Total</b>	<b>2,785.3</b>	<b>16</b>	<b>1,081.3</b>	<b>19</b>	<b>23,121.4</b>	<b>20</b>	<b>3,313.5</b>	<b>20</b>	<b>538.6</b>	<b>27</b>	<b>2,829.9</b>	<b>44</b>	<b>1,917.8</b>	<b>34</b>	<b>5,837.7</b>	<b>10</b>	<b>9,576.8</b>	<b>15</b>	<b>1,056.5</b>	<b>27</b>	<b>1,767.8</b>	<b>28</b>	<b>53,826.6</b>	<b>18</b>
<b>Industrial</b>	<b>Total</b>	<b>4,613.3</b>	<b>26</b>	<b>287.9</b>	<b>5</b>	<b>4,892.6</b>	<b>4</b>	<b>553.4</b>	<b>3</b>	<b>49.0</b>	<b>2</b>	<b>259.9</b>	<b>4</b>	<b>1,117.3</b>	<b>20</b>	<b>2,616.3</b>	<b>4</b>	<b>3,483.1</b>	<b>5</b>	<b>276.1</b>	<b>7</b>	<b>623.9</b>	<b>10</b>	<b>18,772.9</b>	<b>6</b>
	<b>Subtotal</b>	<b>39,374.5</b>	<b>224</b>	<b>12,461.4</b>	<b>222</b>	<b>229,474.7</b>	<b>199</b>	<b>44,309.0</b>	<b>271</b>	<b>4,993.2</b>	<b>252</b>	<b>14,328.3</b>	<b>221</b>	<b>13,6739</b>	<b>245</b>	<b>90,601.4</b>	<b>148</b>	<b>93,982.3</b>	<b>145</b>	<b>7,984.6</b>	<b>200</b>	<b>13,147.1</b>	<b>208</b>	<b>564,330.3</b>	<b>185</b>
<b>Non-Potable</b>																									
<b>Residential:</b>	Outdoor	5,889.0	34	2,044.3	36	12,063.2	10	2,121.1	13	565.0	28	4,051.9	63	1,488.9	27	32,728.8	54	52,954.0	81	6,146.0	154	952.0	15	121,004.2	40
	<b>Commercial:</b>	Outdoor	654.0	4	0.0	0	2,614.7	2	2,473.0	15	0.0	0	0.0	0	15.0	0	4,893.5	8	7,221.0	11	0.0	0	300.0	5	18,171.2
<b>Institutional:</b>	Outdoor	3,316.0	19	1,130.1	20	3,418.0	3	4,260.9	26	899.3	45	26.5	0	937.2	17	6,415.5	11	7,843.3	12	1,762.0	44	2,002.0	32	32,010.7	10
	<b>Industrial:</b>	Indoor/Outdoor	0.0	0	0.0	0	0.0	0	44.9	0	12.1	1	0.0	0	0.0	0	331.0	1	0.0	0	0.0	0	20.0	0	408.0
	<b>Subtotal</b>	<b>9,859.0</b>	<b>56</b>	<b>3,174.4</b>	<b>57</b>	<b>18,095.9</b>	<b>16</b>	<b>8,899.9</b>	<b>54</b>	<b>1,476.4</b>	<b>74</b>	<b>4,078.4</b>	<b>63</b>	<b>2,441.1</b>	<b>44</b>	<b>44,368.8</b>	<b>73</b>	<b>68,0183</b>	<b>105</b>	<b>7,908.0</b>	<b>199</b>	<b>3,274.0</b>	<b>52</b>	<b>171,594.2</b>	<b>56</b>
<b>Statewide Totals</b>		<b>49,233.5</b>	<b>280</b>	<b>15,635.7</b>	<b>278</b>	<b>247,570.6</b>	<b>214</b>	<b>53,208.9</b>	<b>325</b>	<b>6,469.6</b>	<b>326</b>	<b>18,406.7</b>	<b>284</b>	<b>16,115.0</b>	<b>288</b>	<b>134,970.2</b>	<b>221</b>	<b>162,00.6</b>	<b>249</b>	<b>15,892.6</b>	<b>399</b>	<b>16,421.1</b>	<b>260</b>	<b>735,924.4</b>	<b>241</b>

### **3.4 Statewide M&I Deliveries and Depletions**

In an effort to provide additional useful information for water managers, the division included a short discussion and a summary table of the total water deliveries and depletions of the counties within each basin in the Executive Summary. Additionally, at the end of each of the reports is an extensively detailed table that includes specific information for each of the water systems, as well as all the various uses for both potable and non-potable water. This was done as a leading step towards preparing water budgets for the basins and the state as a whole.

Water budgets are an extremely valuable planning tool for evaluating the capability of supporting further development. A water budget balances all the incoming water, available groundwater, all uses, and all the losses within the targeted area. As can be envisioned, collecting all this data is an intensive, tedious and time consuming process. The collected data then forms the base to begin all the calculations necessary to compile a water budget.

Table 3-4 provides a summary of all the total water delivery and depletion amounts of each of the basins. Table 3-5 provides the equivalent information exclusively for the public community water systems.

**Table 3-4 State of Utah Total M&I Deliveries and Depletions**

(Acre-Feet/Year)

Basin	Deliveries			Depletions		
	Indoor Use	Outdoor Use	Total	Indoor Use	Outdoor Use	Total
Columbia River/West Desert	8,607.0	11,177.5	<b>19,784.5</b>	7,593.8	5,588.7	<b>13,182.5</b>
Bear River	23,301.8	30,642.5	<b>53,944.3</b>	7,362.8	15,321.3	<b>22,684.1</b>
Weber River	67,723.1	109,638.8	<b>177,361.9</b>	20,511.0	54,819.4	<b>75,330.4</b>
Utah Lake	79,571.5	81,913.9	<b>161,485.4</b>	32,338.1	40,956.9	<b>73,295.0</b>
Jordan River	230,512.5	138,698.2	<b>369,210.7</b>	124,451.0	69,349.1	<b>193,800.1</b>
Sevier River	32,444.5	14,248.8	<b>46,694.3</b>	28,103.0	7,124.4	<b>35,227.4</b>
Cedar\Beaver	21,358.3	11,049.8	<b>32,408.1</b>	17,790.9	5,524.9	<b>23,315.8</b>
Uintah	15,075.1	10,490.7	<b>25,565.8</b>	12,102.6	5,245.4	<b>17,348.0</b>
West Colorado	36,746.0	12,429.8	<b>49,175.8</b>	33,687.0	6,214.9	<b>39,901.9</b>
Southeast Colorado	4,032.3	4,348.7	<b>8,381.0</b>	1,593.0	2,174.3	<b>3,767.3</b>
Kanab\Virgin	22,980.5	31,531.3	<b>54,511.8</b>	4,879.0	15,765.6	<b>20,644.6</b>
<b>Statewide</b>	<b>542,353.6</b>	<b>456,170.1</b>	<b>998,523.6</b>	<b>290,412.2</b>	<b>228,084.9</b>	<b>518,497.1</b>

**Table 3-5 State of Utah Public Community Systems M&I Deliveries and Depletions**

(Acre-Feet/Year)

Basin	Deliveries			Depletions		
	Indoor Use	Outdoor Use	Total	Indoor Use	Outdoor Use	Total
Columbia River/West Desert	5,909.5	10,511.6	<b>16,421.1</b>	5,340.9	5,255.8	<b>10,596.7</b>
Bear River	20,649.8	28,583.7	<b>49,233.5</b>	5,825.1	14,291.8	<b>20,116.9</b>
Weber River	54,049.6	107,951.0	<b>162,000.6</b>	7,342.7	53,975.5	<b>61,318.2</b>
Utah Lake	53,944.8	81,025.4	<b>134,970.2</b>	7,477.4	40,512.7	<b>47,990.1</b>
Jordan River	114,206.1	133,364.5	<b>247,570.6</b>	9,221.4	66,682.2	<b>75,903.6</b>
Sevier River	5,961.1	12,445.6	<b>18,406.7</b>	2,493.9	6,222.8	<b>8,716.7</b>
Cedar\Beaver	5,269.1	10,366.6	<b>15,635.7</b>	2,003.7	5,183.3	<b>7,187.0</b>
Uintah	5,981.0	10,134.0	<b>16,115.0</b>	3,219.9	5,066.9	<b>8,286.8</b>
West Colorado	3,717.8	12,174.8	<b>15,892.6</b>	804.6	6,087.4	<b>6,892.0</b>
Southeast Colorado	2,443.3	4,026.3	<b>6,469.6</b>	360.3	2,013.1	<b>2,373.4</b>
Kanab\Virgin	21,746.7	31,452.1	<b>53,208.9</b>	3,732.1	15,726.1	<b>19,458.2</b>
<b>Statewide</b>	<b>293,888.8</b>	<b>442,035.7</b>	<b>735,924.4</b>	<b>47,822.0</b>	<b>221,017.6</b>	<b>268,839.6</b>