#### THE STATE OF WYOMING

## Water Development Office

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#### TECHNICAL MEMORANDUM

**To:** Water Development Commission **DATE:** July 10, 2013

FROM: Chace Tavelli, P.E. REFERENCE: Snake/Salt River Basin Plan Update, 2012

**SUBJECT:** Municipal and Domestic and Water Use

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#### 1.0 Introduction

This memorandum covers municipal and domestic water use in the Snake/Salt River Basin. For this plan, the Wyoming Department of Administration and Information Economic Analysis Division (DAIEAD) provided population values that were used for population and water use estimates. However, the DAIEAD values did not provide population estimates for municipal and domestic users. They also did not provide average gallons per capita per day use (gpcpd). The municipal and domestic population breakdown, as well as the gpcpd values, had to be developed using a separate method and then applied to the DAIEAD population.

### 2.0 Municipal and Domestic Population and Water Use Methodology

In order to develop water use, a methodology had to be developed to calculate per capita use (gpcpd) which in turn is then applied to the DAIEAD populations to calculate water use. The methodology reflects the same method used in the first plan to determine population estimates and water use. Municipal and domestic water users were determined by using the Environmental Protection Agency's (EPA) water system categories; the definition of a Community public water system was used to define municipal users while the other EPA categories (transient noncommunity, non-transient non-community) were considered domestic water users. In addition to the EPA classifications, there are many smaller districts in the basin that use water for municipal purposes and were classified as municipal users. Furthermore, there are users that live in rural areas that have individual wells considered rural domestic users with an average use rate of 225 gpcpd. All of the users in Sublette County were defined as domestic and considered to be on individual wells. The population estimates that were calculated using this method were not the same as the DAIEAD populations so percentages of municipal and domestic users were applied to the DAIEAD values. Calculated population estimates included transient visitors, part-time residents, and seasonal residents, and for this analysis, the permanent full-time population estimate was used. The following guidelines were used to develop the population and per capita water use estimates:

- Municipal users are defined as EPA Community Water Systems per EPA Sanitary Surveys.
- Domestic Users are defined as EPA Transient Non-Community, EPA Non-Transient Non-Community and individual well users.
- Population and use information was provided in yearly, summer, or winter values.
- All summer/winter data was converted to a yearly value so that there was a yearly value for population and use for all systems. This was done by weighting the populations based on the number of summer and winter days (summer is considered to be from June to the end of September).
  - Summer days make up 33.4% of the year and winter days the remaining 66.6% of the year
- If yearly data was provided then that amount was used.
- If only seasonal data were provided then those data were converted to a yearly value based on the percentages from above.
- EPA defined domestic users were put into categories based on the type of system.
  - Campgrounds
  - Inns, motels, ranches
  - RV parks
  - Camps
  - Restaurants, stores, airport, gas stations
  - Schools, ranger stations
- Domestic gpcpd for each category was based on reported values in the Sanitary Surveys, and where data was not reported, a weighted average for that category was calculated and applied to the population to determine final water use.

After the population values were developed, the percentage of domestic and municipal users was applied to the DAIEAD to come up with the final municipal and domestic populations. These population values were then multiplied by the average gpcpd to develop the final water use. The calculations can be found in the project notebook in the <u>Water System Comparisons of all sources</u> spreadsheet.

### 3.0 Municipal and Domestic Population/Water Use

As was the practice in the first plan, municipal users were defined as EPA Community Water Systems. There were three sources of data that were used to determine the municipal user values for population and use: WRDS interview data (2013); WWDC Water System Surveys (2011); and, EPA Sanitary Surveys of various years.

- WRDS interview data was given the first priority because it is the most recent data.
- Water Systems Surveys were second priority if the data was collected in 2011.
- EPA sanitary surveys were third priority. The survey dates are from 2008 2012.

There is a group of water users not on municipal systems that are most likely using personal wells that would be classified as domestic users. This population was developed in the "rural" population calculation. Rural population calculations were derived using the census data maps and sanitary surveys. Census data are comprised of two categories; the Census Designated Place

(CDP) and the Census County Division (CCD). The CCD is a larger area that encompasses all of the CDP's as well as the population not within the CDP's. All of the CDP populations were summed and subtracted from the CCD total population to obtain a population that is defined as "rural". Because the CDP's are in more densely populated areas, it was assumed this was an acceptable method for estimating "rural" population (Figure 1). In addition, there were municipal systems not located within a CDP, rather they fell into the rural population category. Therefore, the location of every municipal system was compared with the Census maps, using Google Earth, to determine the rural population using municipal systems. This value was then subtracted from the total rural population to determine the number of users that are not supplied by a municipal system and would then be categorized as domestic users having personal wells.

Figure 1 shows the CCD and CDP relationship. The entire area within the figure is part of the Afton CCD, while the shaded areas represent CDP's. The population outside of the shaded areas is what was considered rural.

For the 2012 Update, municipal and domestic water use rates were determined either from actual reported values in the Sanitary Surveys or from a weighted average for those systems with no reported data. For municipal users, the use rate was determined to be 262 gpcpd. For domestic water users, based on reported data and generated data, rates were found to range from 9 gpcpd to 317 gpcpd with rural users supplied by domestic wells estimated at 225 gpcpd. For the purpose of this analysis, a weighted average of 121 gpcpd was assumed for all domestic users.

The total current population and estimated water use determined as part of this 2012 update are presented on Table 1. Table 2 compares the results to the previous Basin Plan. The apparent decline in domestic use is due to a slight change in methodology between plans.

**Table 1: Total Population and Estimated Water Use** 

| Use Type  | 2012<br>Population | Use Rate<br>(gpcpd) | Average Use<br>(gpd) |
|-----------|--------------------|---------------------|----------------------|
| Municipal | 26,544             | 262                 | 6,954,528            |
| Domestic  | 7,929              | 121                 | 959,409              |
| Total     | 34,473             |                     | 7,913,937            |

**Table 2: Total Water Use Comparisons** 

| Description | Municipal Use<br>(gpd) | Domestic Use<br>(gpd) |  |
|-------------|------------------------|-----------------------|--|
| 2007 Plan   | 5,875,140              | 2,241,000             |  |
| 2012 Update | 6,954,528              | 959,409               |  |
| Difference  | +1,079,388             | -1,281,591            |  |

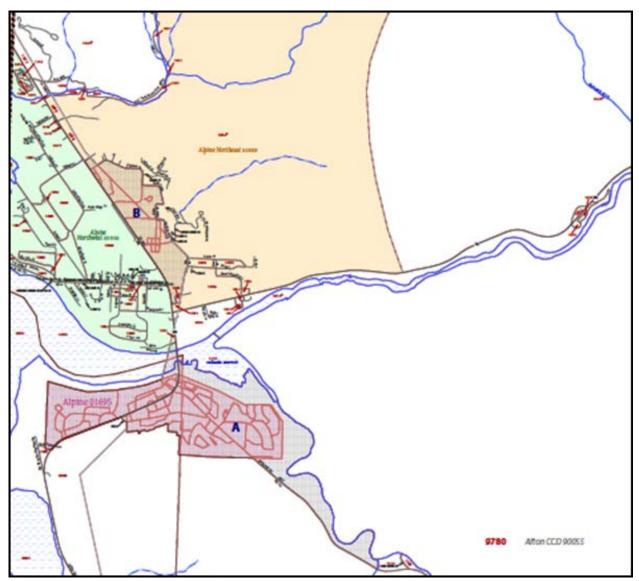


Figure 1: CCD and CDP Relationship

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#### **Alta Community Pipeline**

**EPA PWS** # 5600275

**Service Area Population:** 45

Water Supply: 180 GPM

Water Treatment: None

**Wastewater Treatment:** NA

**Annual Water Use:** Ave. Day: 5,400 GPD

Per Capita Use: Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 18,900 GPD

**Municipal Water Rights:** 

No water rights were found on the State Engineer's Office database.

**Municipal Water Right Capacity: NA** 

#### **Aspens I/II Water and Sewer District**

**EPA PWS** # 5600220

Service Area Population: 1200

Water Supply: 4 Wells

**Water Treatment:** NA

Wastewater Treatment: Treatment Plant, discharge via subsurface injection wells.

Annual Water Use: Ave. Day: 685,200 GPD

Per Capita Use: Ave. Day: 571 GPCPD

**Peak Day Demand:** (estimated) 2.4 MGPD

**Municipal Water Rights:** 

|            | Trainerpar Trainer. |            |           |                         |  |  |  |  |
|------------|---------------------|------------|-----------|-------------------------|--|--|--|--|
| Permit No. | Source              | Priority   | Amount    | Comments                |  |  |  |  |
| P42530W    | Groundwater         | 3/8/1978   | 500 GPM   |                         |  |  |  |  |
| P71618W    | Groundwater         | 4/5/1985   | 300 GPM   |                         |  |  |  |  |
| P101920W   | Groundwater         | 10/14/1986 | 1,175 GPM |                         |  |  |  |  |
| P101924W   | Groundwater         | 5/11/1988  | 1,000 GPM |                         |  |  |  |  |
| P173325W   | Groundwater         | 2/13/2006  | 0 GPM     | Enlargement of P101920W |  |  |  |  |
| P173691W   | Groundwater         | 3/16/2006  | 25 GPM    | Enlargement of P101920W |  |  |  |  |

There are some water rights in "incomplete status" with the SEO. Per the sanitary survey they are not being used at this time.

Municipal Water Right Capacity: 3000 GPM

#### **Bar-B-Bar Subdivision**

**EPA PWS** # 5601439

**Service Area Population:** 100

Water Supply: 2 Wells

Water Treatment: Gaseous Chlorination

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 65,900 GPD

Per Capita Use: Ave. Day: 659 GPCPD

Peak Day Demand: (estimated) 230,650 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority    | Amount  | Comments             |
|------------|-------------|-------------|---------|----------------------|
| P93442W    | Groundwater | 10//25/1993 | 500 GPM | Well #1 (incomplete) |
| P93443W    | Groundwater | 10/25/1993  | 500 GPM | Well #2              |

Municipal Water Right Capacity: 1000 GPM

#### **Buffalo Valley Public Water District**

**EPA PWS** # 5600435

**Service Area Population:** 60

Water Supply: 2 Wells

Water Treatment: Sodium hypochlorite

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 4,080 GPD

**Per Capita Use:** Ave. Day: 68 GPCPD

**Peak Day Demand:** (estimated) 14,280 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments             |  |  |
|------------|-------------|-----------|--------|----------------------|--|--|
| P120240W   | Groundwater | 9/14/1999 | 40 GPM | Incomplete           |  |  |
| P77006W    | Groundwater | 5/24/1988 | 10 GPM | Backup               |  |  |
| P120244W   | Groundwater | 11/1/1999 | 0 GPM  | Enlargement of 77006 |  |  |

Municipal Water Right Capacity: 50 GPM

#### **C-V Ranches**

**EPA PWS** # 5600806

**Service Area Population:** 110

Water Supply: 2 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic System

**Monthly Water Rates:** NA

**Annual Water Use:** 11,000 GPD

Per Capita Use: Ave. Day: 100 GPCPD

**Peak Day Demand:** (estimated) 38,500 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority | Amount  | Comments             |
|------------|-------------|----------|---------|----------------------|
| P53848W    | Groundwater | 9/2/1980 | 160 GPM | Primary domestic use |
| P53100W    | Groundwater | 1/7/1980 | 250 GPM | Fire Well            |

Municipal Water Right Capacity: 410 GPM

#### **Evans Mobile Home Court**

**EPA PWS** # 5600215

**Service Area Population:** 150

Water Supply: 2 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 18,000 GPD

**Per Capita Use:** Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 63,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount | Comments             |
|------------|-------------|------------|--------|----------------------|
| P42289W    | Groundwater | 10/21/1977 | 50GPM  |                      |
| P61730W    | Groundwater | 7/15/1982  | 50GPM  |                      |
| P61731W    | Groundwater | 8/09/1982  | 0      | Enlargement of 42289 |

Municipal Water Right Capacity: 100 GPM

# <u>Fish Creek Improvement and Service District (formerly Wilson Meadows Water System)</u>

**EPA PWS** # 5601473

**Service Area Population:** 180

Water Supply:

Water Treatment: Hypochlorination is present but not currently being used except

during annual fire hydrant testing.

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** Ave. Day: 31,500 GPD

Per Capita Use: Ave. Day: 175 GPCPD

Peak Day Demand: (estimated) 110,250 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount  | Comments |
|------------|-------------|-----------|---------|----------|
| P108615W   | Groundwater | 12/8/1997 | 256 GPM |          |
| P108616W   | Groundwater | 12/8/1997 | 256 GPM |          |
| P108617W   | Groundwater | 12/8/1997 | 750 GPM |          |
| P108617W   | Groundwater | 12/8/1997 | 750 GPM |          |

Municipal Water Right Capacity: 2012 GPM

#### **Grand Teton National Park Colter Bay**

**EPA PWS** # 5680095

**Service Area Population:** 363

Water Supply: 2 wells per the sanitary survey. The survey does not provide a SEO

water right permit for the second well.

Water Treatment: Sodium hypochlorite

**Wastewater Treatment:** NA

**Annual Water Use:** 109,000 GPD

Per Capita Use: 300 GPCPD

**Peak Day Demand:** (estimated) 382, 000

**Municipal Water Rights:** 

| Permit<br>No. | No. Source Priority Amount Comme 42W Groundwater 3/19/1962 150GPM Backup for Jackson Additional Supply/I |  | Amount                                                | Comments                      |
|---------------|----------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------|-------------------------------|
| P842W         |                                                                                                          |  | 150GPM                                                | Backup for Jackson Lake Lodge |
| P30080W       |                                                                                                          |  | Additional Supply/Primary well for Jackson Lake Lodge |                               |

**Municipal Water Right Capacity:** 150 GPM

#### **Grand Teton National Park Jackson Lake Lodge**

**EPA PWS** # 5680103

**Service Area Population:** 354

Water Supply: 2 Wells

Water Treatment: Sodium hypochlorite

**Wastewater Treatment: NA** 

**Annual Water Use: 106,000 GPD** 

Per Capita Use: 300 GPCPD

Peak Day Demand: (estimated) 371,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments                      |
|------------|-------------|-----------|--------|-------------------------------|
| P30080W    | Groundwater | 4/23/1975 | 180GPM |                               |
| P842W      | Groundwater | 3/19/1962 | 150GPM | Backup for Jackson Lake Lodge |

Municipal Water Right Capacity: 180 GPM

#### **Grand Teton National Park Moose Beaver Creek**

**EPA PWS** # 5680093

**Service Area Population:** 389

Water Supply: 2 wells are reported in the sanitary survey (Taggart Wells #1 and

#2). Only the Taggart #2 appears in the State Engineer's Office database.

Water Treatment: Sodium hypochlorite

**Wastewater Treatment:** NA

**Annual Water Use: 22,200 GPD** 

Per Capita Use: 57 GPCPD

**Peak Day Demand:** (estimated) 77,700 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments |
|------------|-------------|-----------|--------|----------|
| P117801W   | Groundwater | 7/12/1999 | 100GPM |          |

Municipal Water Right Capacity: 100GPM

#### **Gros Ventre North HOA**

**EPA PWS** # 5601357

**Service Area Population: 200** 

Water Supply: 3 Wells

**Water Treatment:** NA

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 150,000 GPD

Per Capita Use: 750 GPCPD

Peak Day Demand: (estimated) 525,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments                                        |
|------------|-------------|-----------|--------|-------------------------------------------------|
| P79145W    | Groundwater | 2/21/1989 | 70GPM  | (1)                                             |
| P84278W    | Groundwater | 1/9/1991  | 100GPM | Gros Ventre #2                                  |
| P161095W   | Groundwater | 7/8/2004  | 200GPM | Gros Ventre #3                                  |
| P113293W   | Groundwater | 12/3/1998 | 30GPM  | 1 <sup>st</sup> Enl Gros Ventre #1 (incomplete) |
| P113294W   | Groundwater | 12/3/1998 | 50GPM  | 1 <sup>st</sup> Enl Gros Ventre #2              |

<sup>(1)</sup> Incomplete Status SEO / reported out of service in 2009 Sanitary survey.

Municipal Water Right Capacity: 450 GPM if all wells in service

#### **Gros Ventre Butte West (Bar Y Estates)**

**EPA PWS** # 5600976

**Service Area Population: 270** 

Water Supply: 2 Wells

Water Treatment: Sodium Hypochlorite

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 32,400 GPD

Per Capita Use: 120 GPCPD

Peak Day Demand: (estimated) 113,400 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments |
|------------|-------------|-----------|--------|----------|
| P79736W    | Groundwater | 5/8/1989  |        |          |
| P147767W   | Groundwater | 9/27/2002 | 80GPM  |          |

Municipal Water Right Capacity: 175 GPM

#### **High Country Subdivision**

**EPA PWS** # 5600216

**Service Area Population:** 78

Water Supply: 2 Wells

**Water Treatment:** NA

Wastewater Treatment: Individual Septic Systems

**Annual Water Use: 9,360 GPD** 

Per Capita Use: 120 GPCPD

**Peak Day Demand:** (estimated) 32,760 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount | Comments              |
|------------|-------------|------------|--------|-----------------------|
| P2504W     | Groundwater | 12/13/1968 | 60GPM  | No status per SEO     |
| P63779W    | Groundwater | 4/11/1983  | 0      | Enl. P2504W           |
| P52147W    | Groundwater | 5/12/1980  | 25GPM  |                       |
| P60153W    | Groundwater | 10/19/1981 | 175GPM | Enl. P52147W          |
| P63780W    | Groundwater | 4/11/1983  | 0      | Enl. P52147W – Status |

**Municipal Water Right Capacity: 260 GPM** 

Per State Engineer's Office; these wells are all comingled. P63780W is the only well reported in the sanitary survey. Comments all per State Engineer's Office database.

#### **Highland Park Subdivision**

Not considered an EPA community water system

#### **Indian Paintbrush**

**EPA PWS** # 5600758

**Service Area Population:** 150

Water Supply: 2 wells per the sanitary survey

Water Treatment: Sodium Hypochlorite

Wastewater Treatment: Individual Septic Systems

Annual Water Use: 44,250 GPD

Per Capita Use: 295 GPCPD

Peak Day Demand: (estimated) 155,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source        | Priority   | Amount  | Comments    |
|------------|---------------|------------|---------|-------------|
| P71524W    | Groundwater   | 11/14/1985 | 45GPM   | Incomplete  |
| P121470W   | Groundwater   | 12/13/1999 | 90GPM   | Incomplete  |
| P24269D    | Surface water | 6/5/1973   | 0.96CFS |             |
| P6774E     | Surface water | 2/26/1979  | 0       | Enl P24269D |

<sup>(1)</sup> Comingled with following water rights per SEO database.

Municipal Water Right Capacity: 135GPM

P71542W and P121470 are the only water sources reported in the sanitary survey. The other water rights came up in the State Engineer's database research. It is unknown if they are being exercised. However, it is assumed they are not being used for determination of the water right capacity.

#### **Indian Springs**

Not considered an EPA community water system

#### **Jackson Hole Golf and Tennis (Gros Ventre Utility)**

**EPA PWS** # 5600027

**Service Area Population:** 97

Water Supply: 4 Wells

Water Treatment: No treatment

Wastewater Treatment: Jackson sanitary sewer system

**Annual Water Use:** 192,000 GPD

Per Capita Use: 1,980 GPCPD

Peak Day Demand: (estimated) 672,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount  | Comments   |
|------------|-------------|-----------|---------|------------|
| P98396W    | Groundwater | 3/2/1995  | 15GPM   | Incomplete |
| P158923W   | Groundwater | 4/22/2004 | 250GPM  | Incomplete |
| P158924W   | Groundwater | 4/22/2004 | 250GPM  | Incomplete |
| P158925W   | Groundwater | 4/22/2004 | 1500GPM | Incomplete |
| P158926W   | Groundwater | 4/22/2004 | 1500GPM | Incomplete |

<sup>(1)</sup> Sanitary survey reports as abandoned.

Municipal Water Right Capacity: 3500 GPM

#### **J-W Subdivision**

**EPA PWS** # 5600877

**Service Area Population:** 38

Water Supply: 2 Wells

Water Treatment: Hypochlorite

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 4,560 GPD

**Per Capita Use:** Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 15,960 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments |
|------------|-------------|-----------|--------|----------|
| P60074W    | Groundwater | 4/24/1981 | 40GPM  | Comments |
| P77828W    | Groundwater | 8/16/1988 | 20GPM  |          |

Municipal Water Right Capacity: 60 GPM

#### **Little Horsethief Canyon**

Not considered an EPA community water system

#### **Melody Ranch**

**EPA PWS** # 5601440

**Service Area Population:** 500

Water Supply: 2 Wells

Water Treatment: Gaseous Chlorination

Wastewater Treatment: Town of Jackson Treatment Plant, surface discharge into

Snake River drainage.

**Annual Water Use:** 320,000 GPD

Per Capita Use: Ave. Day: 640 GPCPD

Peak Day Demand: (estimated) 1,120,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments                       |
|------------|-------------|-----------|--------|--------------------------------|
| P193269W   | Groundwater | 6/25/2010 | 400GPM | Refiling of cancelled P120237W |
| P193270W   | Groundwater | 6/25/2010 | 400GPM | Refiling of cancelled P120238W |

Municipal Water Right Capacity: 800 GPM

#### **Millward Trailer Park**

Not considered an EPA community water system

#### Rafter J Subdivision HOA

**EPA PWS** # 5600822

**Service Area Population:** 1250

Water Supply: 4 Wells

Water Treatment: Gaseous Chlorination

Wastewater Treatment: Town of Jackson Treatment Plant, surface discharge into

Snake River drainage.

Annual Water Use: Ave. Day: 800,000 GPD

Per Capita Use: Ave. Day: 640 GPCPD

**Peak Day Demand:** (estimated) 2.8 MGPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount  | Comments    |
|------------|-------------|------------|---------|-------------|
| P48096W    | Groundwater | 4/4/1979   | 350GPM  |             |
| P90512W    | Groundwater | 12/29/1992 | 500 GPM |             |
| P93364W    | Groundwater | 8/18/1993  | 100 GPM | Enl P48096W |
| P118543W   | Groundwater | 8/25/1999  | 300 GPM |             |
| P193707W   | Groundwater | 8/6/2010   | 350 GPM |             |

Municipal Water Right Capacity: 1600 GPM

#### **River Meadows H.O.A**

**EPA PWS** # 5600786

**Service Area Population:** 120

Water Supply: 3 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** Ave. Day: 15,000 GPD

Per Capita Use: Ave. Day: 125 GPCPD

Peak Day Demand: (estimated) Ave. Day: 52,500 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount  | Comments |
|------------|-------------|-----------|---------|----------|
| P93174W    | Groundwater | 8/25/1993 | 150 GPM |          |
| P129019W   | Groundwater | 9/5/2000  | 150 GPM |          |
| P139237W   | Groundwater | 8/29/2001 | 85 GPM  |          |

Municipal Water Right Capacity: 385 GPM

#### **Saddle Butte Subdivision**

Not considered an EPA community water system

#### **Skyline Ranch Improvement and Service District**

**EPA PWS** # 5600217

**Service Area Population:** 160

Water Supply: 2 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** Ave. Day: 76,640 GPD

**Per Capita Use:** Ave. Day: 479 GPCPD

Peak Day Demand: (estimated) 268,240 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount  | Comments |
|------------|-------------|-----------|---------|----------|
| P2248W     | Groundwater | 5/15/1968 | 100 GPM | (1)      |
| P159621W   | Groundwater | 6/3/2004  | 225 GPM |          |
| P179020W   | Groundwater | 4/24/2006 | 250 GPM |          |

<sup>(1)</sup> Sanitary Survey says no longer used but there is a valid water right at the State Engineer's Office

Municipal Water Right Capacity: 475 GPM

#### **Snake River Mobile Home Park**

**EPA PWS** # 5600214

**Service Area Population:** 65

Water Supply: 1 Well

Water Treatment: Hypochloride chlorination, as required by EPA because of the

influence of surface water on well

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 4,875 GPD

**Per Capita Use:** Ave. Day: 75 GPCPD

Peak Day Demand: (estimated) 17,062 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount | Comments |
|------------|-------------|------------|--------|----------|
| P148353W   | Groundwater | 8/12/2002  | 25 GPM |          |
| P51149W    | Groundwater | 12/19/1979 | 25 GPM |          |
| P95669W    | Groundwater | 4/4/1994   | 25 GPM |          |
| P95670W    | Groundwater | 4/4/1994   | 25 GPM |          |

Municipal Water Right Capacity: 25 GPM

Note: Per the 2010 Sanitary Survey, only well P148353W is being used. The other three wells have a valid water right with the Wyoming State Engineer's Office so were.

#### **South Park Village Subdivision**

**EPA PWS** # 5600836

**Service Area Population:** 80

Water Supply: 1 Well

Water Treatment: Hypochlorite injector at wellhouse

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** 10,400 GPD

Per Capita Use: Ave. Day: 130 GPCPD

**Peak Day Demand:** (estimated) 36,400 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments |
|------------|-------------|-----------|--------|----------|
| P119494W   | Groundwater | 8/10/1999 | 100GPM |          |

Municipal Water Right Capacity: 100GPM

#### **Spring Creek Improvement District**

**EPA PWS** # 5600811

**Service Area Population:** 500

Water Supply: 2 Wells

Water Treatment: Chlorine gas

Wastewater Treatment: Town of Jackson treatment plant

**Annual Water Use:** 262,500 GPD

Per Capita Use: 525 GPCPD

**Peak Day Demand:** (estimated) 918,750GPD

**Municipal Water Rights:** 

| Permit No. Source |         | Priority    | Amount  | Comments |  |
|-------------------|---------|-------------|---------|----------|--|
|                   | P96458W | Groundwater | 7/20/94 | 400 GPM  |  |
|                   | P96459W | Groundwater | 7/20/94 | 800 GPM  |  |

Municipal Water Right Capacity: 1200 GPM

#### **Squaw Creek Water District**

**EPA PWS** # 5600737

**Service Area Population:** 160

Water Supply: 1 Spring & 2 Wells

Water Treatment: Sodium hypochlorite

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** Ave. Day: 20,000 GPD

Per Capita Use: Ave. Day: 125 GPCPD

**Peak Day Demand:** (estimated) 70,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source        | Priority   | Amount  | Comments |
|------------|---------------|------------|---------|----------|
| P102953W   | Groundwater   | 7/5/1996   | 40 GPM  |          |
| P102954W   | Groundwater   | 7/5/1996   | 35 GPM  |          |
| P27641D    | Surface Water | 12/29/1981 | 0.11CFS |          |

Municipal Water Right Capacity: 124 GPM

#### **Targhee Towne Water Co., Inc.**

**EPA PWS** # 5600787

**Service Area Population:** 120

Water Supply: 3 Wells

Water Treatment: Intermittent chlorination

Wastewater Treatment: Individual Septic Systems

**Annual Water Use:** Ave. Day: 14,400 GPD

Per Capita Use: Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 50,400 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount  | Comments      |
|------------|-------------|------------|---------|---------------|
| P12797W    | Groundwater | 1/14/1972  | 250 GPM |               |
| P179516W   | Groundwater | 1/12/2007  | 100 GPM |               |
| P179517W   | Groundwater | 1/12/2007  | 225 GPM |               |
| P189947W   | Groundwater | 12/29/2008 | 0GPM    | Enl. P12797W  |
| P189948W   | Groundwater | 12/29/2008 | 0GPM    | Enl. P179517W |
| P189949W   | Groundwater | 12/29/2008 | 50GPM   |               |

**Municipal Water Right Capacity:** 625 GPM

The 2011 Sanitary Survey reports P163462W, P179516W and P179517 as the only wells being used. P163462W is cancelled per the SEO records. The other permits are in the SEO database so were included.

#### **Targhee Village**

Not considered an EPA community water system

#### **Teton Shadows HOA**

**EPA PWS** # 5600724

**Service Area Population:** 50

Water Supply: 1 Well

Water Treatment: Water is not currently treated but UV and chlorine disinfection

is online.

Wastewater Treatment: Connected to City of Jackson sewer system.

Annual Water Use: Ave. Day: 6,000 GPD

Per Capita Use: Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 21,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount | Comments |
|------------|-------------|-----------|--------|----------|
| P15642W    | Groundwater | 7/13/1972 | 50 GPM |          |

**Municipal Water Right Capacity:** 50 GPM

#### **Teton Village Water and Sewer District**

**EPA PWS** # 5600218

**Service Area Population:** 660

Water Supply: Sanitary Survey reports 2 wells. SEO database has 4 permitted

wells.

Water Treatment: Gas chlorination is on line, but continuous disinfection is not

practiced

Wastewater Treatment: Centralized septic systems

**Annual Water Use:** Ave. Day: 260,700GPD

Per Capita Use: Ave. Day: 395 GPCPD

Peak Day Demand: (estimated) 912,450 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount   | Comments |
|------------|-------------|-----------|----------|----------|
| P32547W    | Groundwater | 3/17/1976 | 350 GPM  |          |
| P100142W   | Groundwater | 3/17/1994 | 1000 GPM |          |
| P100143W   | Groundwater | 3/17/1994 | 1000 GPM |          |
| P5890W     | Groundwater | 6/22/1970 | 75 GPM   |          |

Municipal Water Right Capacity: 2,425 GPM

Note: The 2009 Sanitary Survey only reported wells P32547W and P100142W as

being used.

#### **Town of Jackson**

**EPA PWS** # 5600213

**Service Area Population:** 12,000

Water Supply: 7 Wells

Water Treatment: Chlorine disinfection at all wells

Wastewater Treatment: Centralized sewer system and treatment facility

Annual Water Use: Ave. Day: 2,148,000 GPD

Per Capita Use: Ave. Day: 179 GPCPD

Peak Day Demand: (estimated) 7,581,000 GPD

**Municipal Water Rights:** 

| wumcipai water kights. |             |            |          |                             |
|------------------------|-------------|------------|----------|-----------------------------|
| Permit No.             | Source      | Priority   | Amount   | Comments                    |
| P1385W                 | Groundwater | 12/18/1964 | 950 GPM  | Well #1                     |
| P1386W                 | Groundwater | 12/18/1964 | 700 GPM  | Well #2                     |
| P1945W                 | Groundwater | 4/4/1967   | 700 GPM  | Well #3                     |
| P2055W                 | Groundwater | 7/6/1967   | 950 GPM  | Well #2                     |
| P69746W                | Groundwater | 4/5/1985   | 2500 GPM | Well #5                     |
| P85495W                | Groundwater | 6/27/1991  | 100 GPM  | Enl. Well #2                |
| P85496W                | Groundwater | 6/27/1991  | 75 GPM   | Enl. Well #3                |
| P101360W               | Groundwater | 4/17/1995  | 1300 GPM | Well #6                     |
| P101361W               | Groundwater | 4/17/1995  | 1300 GPM | Well #7                     |
| P101362W               | Groundwater | 4/17/1995  | 1300 GPM | Well #8                     |
| P104232W               | Groundwater | 4/8/1996   | 0 GPM    | 1 <sup>st</sup> Enl Well #1 |
| P104233W               | Groundwater | 4/18/1996  | 0 GPM    | Enl Well #2                 |
| P104234W               | Groundwater | 4/18/1996  | 0 GPM    | Enl. Well #3                |
| P104235W               | Groundwater | 4/18/1996  | 0 GPM    | Enl. Well #5                |

**Municipal Water Right Capacity:** 9,875 GPM

#### **Valley View Mutual Water Company**

**EPA PWS** # 5601499

**Service Area Population:** 60

Water Supply: Well

Water Treatment: Individual Septic

Wastewater Treatment: Sodium hypochlorite

**Annual Water Use:** Ave. Day: 13,800 GPD

Per Capita Use: Ave. Day: 230 GPCPD

**Peak Day Demand:** (estimated) 48,300 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority | Amount | Comments |
|------------|-------------|----------|--------|----------|
| P124365W   | Groundwater | 3/3/2000 | 20 GPM |          |

Municipal Water Right Capacity: 20 GPM

#### **Town of Afton**

**EPA PWS** # 5600002

**Service Area Population:** 1818

Water Supply: Wells and Springs

Water Treatment: Gas Chlorination

Wastewater Treatment: Centralized Septic

**Annual Water Use:** Ave. Day: 1,370,772 GPD

**Per Capita Use:** Ave. Day: 754 GPCPD

Peak Day Demand: (estimated) 4,797,702 GPD

**Municipal Water Rights:** 

| Wumerpar Water Kights: |             |            |             |                            |  |  |
|------------------------|-------------|------------|-------------|----------------------------|--|--|
| Permit No.             | Source      | Priority   | Amount      | Comments                   |  |  |
| P6663D                 | Spring      | 4/17/1905  | 0.42 CFS    |                            |  |  |
| Various                | Spring      | Various    | 4.65086 CFS |                            |  |  |
| Various                | Spring      | Various    | 1.7091CFS   |                            |  |  |
| P12154D                | Spring      | 10/29/1913 | 2.5 CFS     |                            |  |  |
| P65653W                | Groundwater | 4/17/1983  | 150 GPM     |                            |  |  |
| P65655W                | Groundwater | 10/5/1983  | 150 GPM     |                            |  |  |
| P86364W                | Groundwater | 9/27/1991  | 900 GPM     |                            |  |  |
| P7010E                 | Spring      | 2/27/1991  | 7.15 CFS    | Enl Afton Water Works Pipe |  |  |
| P91531W                | Groundwater | 2/11/1993  | 200 GPM     | Enl P86364W                |  |  |
| P172886W               | Groundwater | 12/9/2005  | 1200 GPM    |                            |  |  |

Municipal Water Right Capacity: 9974 GPM

#### **Town of Alpine**

**EPA PWS** # 5600156

**Service Area Population:** 700

Water Supply: Wells

Water Treatment: Sodium Hypochlorite

Wastewater Treatment: Centralized wastewater system for 70%, remaining 30%

use onsite septic

Annual Water Use: Ave. Day: 224,000 GPD

Per Capita Use: Ave. Day: 320 GPCPD

Peak Day Demand: (estimated) 784,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source        | Priority   | Amount   | Comments                               |
|------------|---------------|------------|----------|----------------------------------------|
| P24104D    | Surface Water | 7/9/1973   | 1.75 CFS |                                        |
| P39163W    | Groundwater   | 7/20/1977  | 200 GPM  |                                        |
| P78067W    | Groundwater   | 12/27/1985 | 100 GPM  | Enl. P39163W                           |
| P6910E     | Surface Water | 12/27/1985 | 1.75 CFS |                                        |
| P77717W    | Groundwater   | 6/23/1988  | 375 GPM  |                                        |
| P98662W    | Groundwater   | 3/27/1995  | 50 GPM   | Enl. P39163W                           |
| P189882W   | Groundwater   | 10/23/2008 | 350 GPM  | Incomplete 3 <sup>rd</sup> Enl P39163W |
| P189883W   | Groundwater   | 10/23/2008 | 350 GPM  | Incomplete 1 <sup>st</sup> Enl P77717W |
| P198240W   | Groundwater   | 1/3/2012   | 700 GPM  | Unadjudicated                          |

Municipal Water Right Capacity: 3696 GPM

#### **Bedford Water and Sewer District**

**EPA PWS** # 5600006

**Service Area Population:** 1200

Water Supply: Surface Water and Groundwater

Water Treatment: Chlorination available but not used

Wastewater Treatment: Individual Septic Systems

Annual Water Use: Ave. Day: 399,600 GPD

Per Capita Use: Ave. Day: 333 GPCPD

Peak Day Demand: (estimated) 1,398,600 GPD

**Municipal Water Rights:** 

| Permit No. | Source        | Priority  | Amount    | Comments    |  |  |
|------------|---------------|-----------|-----------|-------------|--|--|
| P20014D    | Spring        | 7/03/1945 | 0.613 CFS |             |  |  |
| P4521E     | Surface Water | 3/26/1923 | 1.5 CFS   |             |  |  |
| P81829W    | Groundwater   | 1/31/1990 | 300 GPM   |             |  |  |
| P30370D    | Spring        | 6/2/1989  | 0.6 CFS   |             |  |  |
| P6961E     | Spring        | 6/2/1989  | 1.517 CFS | Enl. 20014D |  |  |

Municipal Water Right Capacity: 1248 GPM

#### **Etna Water and Sewer District**

**EPA PWS** # 5600157

**Service Area Population:** 120

Water Supply: Wells and Springs

Water Treatment: None

Wastewater Treatment: Individual Septic

**Annual Water Use:** Ave. Day: 21,600 GPD

Per Capita Use: Ave. Day: 180 GPCPD

**Peak Day Demand:** (estimated) 75,600 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount    | Comments |
|------------|-------------|------------|-----------|----------|
| P6984D     | Spring      | 11/13/1905 | 0.39CFS   |          |
| P7790D     | Spring      | 6/1/1907   | 0.83 CFS  |          |
| P18930D    | Spring      | 8/21/1937  | 0.058 CFS |          |
| P139351W   | Groundwater | 9/24/2001  | 400 GPM   |          |

Municipal Water Right Capacity: 974 GPM

#### **Fairview Water and Sewer District**

**EPA PWS** # 5600166

**Service Area Population: 250** 

Water Supply: Well and Spring

Water Treatment: None

Wastewater Treatment: Individual septic

Annual Water Use: Ave. Day: 60,000 GPD

**Per Capita Use:** Ave. Day: 240 GPCPD

**Peak Day Demand:** (estimated) 210,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount   | Comments |
|------------|-------------|-----------|----------|----------|
| P93172W    | Groundwater | 7/30/1993 | 255 GPM  |          |
| P17137D    | Spring      | 6/8/1926  | 0.04 CFS |          |

**Municipal Water Right Capacity: 273 GPM** 

#### **Freedom Water and Sewer District**

**EPA PWS** # 5600158

**Service Area Population: 300** 

Water Supply: Well

Water Treatment: Disinfection available but not used

Wastewater Treatment: Individual septic

**Annual Water Use:** Ave. Day: 103,500 GPD

Per Capita Use: Ave. Day: 345 GPCPD

Peak Day Demand: (estimated) 362,250 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount  | Comments |
|------------|-------------|-----------|---------|----------|
| P101707W   | Groundwater | 2/23/1996 | 400 GPM |          |

Municipal Water Right Capacity: 400 GPM

#### **Greater Smoot Water & Sewer District**

**EPA PWS** # 5601397

**Service Area Population: 260** 

Water Supply: Springs and Well

Water Treatment: None

Wastewater Treatment: Individual septic

Annual Water Use: Ave. Day: 28,600 GPD

**Per Capita Use:** Ave. Day: 110 GPCPD

Peak Day Demand: (estimated) 100,100 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount     | Comments                    |  |
|------------|-------------|------------|------------|-----------------------------|--|
| P19293D    | Spring      | 11/30/1939 | 0.076 CFS* |                             |  |
| P5302E     | Spring      | 12/15/1940 | 0.274 CFS* | 1 <sup>st</sup> Enl. 19293D |  |
| P7172E     | Spring      | 10/3/1995  | 2.09 CFS*  | Forks Springs Enl.          |  |
| P7173E     | Spring      | 10/3/1995  | 2.09 CFS*  | Forks Springs Enl. #2       |  |
| P101115W   | Groundwater | 10/30/1995 | 500 GPM    |                             |  |

<sup>\*</sup>The flow is not to exceed 2.09 cfs.

Municipal Water Right Capacity: 1438 GPM

#### **Grover Water and Sewer District**

**EPA PWS** # 5600160

**Service Area Population:** 400

Water Supply: Well and Spring

Water Treatment: Disinfection on site but not used

Wastewater Treatment: Individual Septic

**Annual Water Use:** Ave. Day: 60,400 GPD

Per Capita Use: Ave. Day: 151 GPCPD

Peak Day Demand: (estimated) 211,400 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount    | Comments |
|------------|-------------|-----------|-----------|----------|
| P18543D    | Spring      | 1/10/1935 | 0.022 CFS |          |
| P6744E     | Spring      | 1/03/1978 | 0.24 CFS  |          |
| P 93173W   | Groundwater | 7/30/1993 | 270 GPM   |          |
| P64767W    | Groundwater | 7/11/1983 | 10 GPM    |          |

Municipal Water Right Capacity: 398 GPM

#### **Happy Valley Pipeline Company**

**EPA PWS** # 5600153

**Service Area Population:** 80

Water Supply: Springs

Water Treatment: None

Wastewater Treatment: Individual Septic

**Annual Water Use:** Ave. Day: 29,360 GPD

**Per Capita Use:** Ave. Day: 367 GPCPD

Peak Day Demand: (estimated) 102,760 GPD

**Municipal Water Rights:** 

| Permit No. | Source | Priority   | Amount     | Comments     |
|------------|--------|------------|------------|--------------|
| P22655D    | Spring | 5/09/1966  | 0.361 CFS* |              |
| P6852E     | Spring | 7/12/1978  |            | Enl. P22655D |
| P6853E     | Spring | 1/15/1987  |            | Enl. P22655D |
| P24245D    | Spring | 12/03/1973 |            |              |
| P6854E     | Spring | 1/15/1987  |            | Enl. P24245D |

\* Note: Combined use for all permits not to exceed 0.361 cfs.

Municipal Water Right Capacity: 162 GPM

#### **Kennington Springs Pipeline Company**

**EPA PWS** # 5601199

**Service Area Population:** 75

Water Supply: Spring

Water Treatment: None

Wastewater Treatment: Individual septic

**Annual Water Use:** Ave. Day: 9,000 GPD

Per Capita Use: Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 31,500 GPD

**Municipal Water Rights:** 

| Permit No. | Source | Priority  | Amount     | Comments |
|------------|--------|-----------|------------|----------|
| P29906D    | Spring | 4/08/1988 | 1.105 CFS* |          |
| P29907D    | Spring | 4/08/1988 |            |          |

\*Note: Combined use for both permits not to exceed 1.105 cfs.

Municipal Water Right Capacity: 496 GPM

#### **Nordic Ranches Subdivision**

**EPA PWS** # 5601418

**Service Area Population:** 605

Water Supply: Groundwater

Water Treatment: None

Wastewater Treatment: Individual septic

**Annual Water Use:** Ave. Day: 59,895 GPD

**Per Capita Use:** Ave. Day: 99 GPCPD

Peak Day Demand: (estimated) 209,632 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount  | Comments                     |
|------------|-------------|------------|---------|------------------------------|
| P76226W    | Groundwater | 1/11/1988  | 20 GPM  |                              |
| P95148W    | Groundwater | 3/8/1993   | 10 GPM  | Enl. P76226W                 |
| P100147W   | Groundwater | 8/7/1995   | 85 GPM  | 2 <sup>nd</sup> Enl. P76226W |
| P108464W   | Groundwater | 12/22/1997 | 120 GPM |                              |
| P179589W   | Groundwater | 2/16/2006  | 85 GPM  |                              |

Municipal Water Right Capacity: 320 GPM

#### **North Alpine Improvement and Service District**

**EPA PWS** # 5601021

**Service Area Population:** 118

Water Supply: Wells

Water Treatment: None

Wastewater Treatment: Individual septic

Annual Water Use: Ave. Day: 29,972 GPD

Per Capita Use: Ave. Day: 254 GPCPD

Peak Day Demand: (estimated) 104,902 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount  | Comments                             |
|------------|-------------|-----------|---------|--------------------------------------|
| P102467W   | Groundwater | 3/14/1988 | 40 GPM  | Incomplete                           |
| P102468W   | Groundwater | 3/14/1988 | 50 GPM  | Incomplete                           |
| P175535W   | Groundwater | 5/4/2006  | 15 GPM  | 1 <sup>st</sup> enlargement P102468W |
| P160002W   | Groundwater | 7/15/2003 | 65 GPM  | Unadjudicated                        |
| P160003W   | Groundwater | 7/15/2003 | 65 GPM  | Unadjudicated                        |
| P183449W   | Groundwater | 8/27/2007 | 100 GPM | Incomplete                           |

**Municipal Water Right Capacity:** 335 GPM

#### **North Star Utility**

**EPA PWS** # 5601613

**Service Area Population:** 32

Water Supply: Wells

Water Treatment: None

Wastewater Treatment: Individual septic

Annual Water Use: Ave. Day: 10,351 GPD

**Per Capita Use:** Ave. Day: 320 GPCPD

**Peak Day Demand:** (estimated) 36,229 GPD

**Municipal Water Rights:** 

| Traincipal Tracel Highest |             |            |         |                               |
|---------------------------|-------------|------------|---------|-------------------------------|
| Permit No.                | Source      | Priority   | Amount  | Comments                      |
| P101241W                  | Groundwater | 12/12/1995 | 30 GPM  |                               |
| P101242W                  | Groundwater | 12/12/1995 | 50 GPM  |                               |
| P178318W                  | Groundwater | 9/12/2006  | 50 GPM  | 1 <sup>st</sup> Enl. P101241W |
| P178319W                  | Groundwater | 9/12/2006  | 50 GPM  | 1 <sup>st</sup> Enl. P101242W |
| P182139W                  | Groundwater | 6/12/2007  | 200 GPM | 2nd Enl. P101241W             |
| P182140W                  | Groundwater | 6/12/2007  | 200 GPM | 2nd Enl. P101242W             |

Municipal Water Right Capacity: 580 GPM

#### Osmond, Community of

**EPA PWS** # 5600154

**Service Area Population: 250** 

Water Supply: Spring

Water Treatment: None

Wastewater Treatment: Individual Septic

**Annual Water Use:** Ave. Day: 504,000 GPD

**Per Capita Use:** Ave. Day: 2,016 GPCPD

**Peak Day Demand:** (estimated) 1,764,000 GPD

**Municipal Water Rights:** 

| Permit No. | Source                | Priority   | Amount   | Comments          |
|------------|-----------------------|------------|----------|-------------------|
| P17657D    | Water Cress Spring #1 | 09/25/1929 | 0.50 CFS | Not used          |
| P22599D    | Osmond Spring         | 11/17/1961 | 0.50 CFS | Additional supply |

**Municipal Water Right Capacity:** 0.5 cfs

#### **Star Valley Ranch Association**

**EPA PWS** # 5600287

**Service Area Population:** 1,334

Water Supply: Springs and Wells

Water Treatment: None

Wastewater Treatment: Individual septic

Annual Water Use: Ave. Day: 1,000,500 GPD

**Per Capita Use:** Ave. Day: 750 GPCPD

Peak Day Demand: (estimated) 3,501,750 GPD

**Municipal Water Rights:** 

| winnerpar  | water Rights |            |           |          |
|------------|--------------|------------|-----------|----------|
| Permit No. | Source       | Priority   | Amount    | Comments |
| P13319W    | Groundwater  | 4/16/1971  | 325 GPM   |          |
| P28143D    | Spring       | 9/9/1982   | 2.22 CFS* |          |
| P6973E     | Spring       | 7/16/1987  | 2.22 CFS* |          |
| P6974E     | Spring       | 9/8/1989   | 2.22 CFS* |          |
| P90328W    | Groundwater  | 11/30/1992 | 500 GPM   |          |
| P120239W   | Groundwater  | 5/28/1999  | 300 GPM   |          |
| P193033W   | Groundwater  | 2/11/2009  | 300 GPM   |          |
| P193487W   | Groundwater  | 8/2/2010   | 500 GPM   |          |

\*Combined flow = 2.22 CFS

Municipal Water Right Capacity: 2,921 GPM

#### **Star Valley Ranch RV Park / Bridger View Ranches**

**EPA PWS #:** No sanitary survey available

**Service Area Population: 900** 

Water Supply: Wells

Water Treatment: None

Wastewater Treatment: Lagoon

**Annual Water Use:** Ave. Day: 67,500 GPD

**Per Capita Use:** Ave. Day: 75 GPCPD

Peak Day Demand: (estimated) 236,250 GPD

**Municipal Water Rights:** 

| Permit No. Source |             | Priority   | Amount  | Comments |
|-------------------|-------------|------------|---------|----------|
| P89402W           | Groundwater | 08/28/1992 | 300 GPM |          |
| P137210W          | Groundwater | 08/01/2001 | 325 GPM |          |

Municipal Water Right Capacity: 625 GPM

#### **Star Valley Trailer Court**

**EPA PWS** # 5601017

**Service Area Population:** 90

Water Supply: Well

Water Treatment: None

Wastewater Treatment: Individual septic

**Annual Water Use:** Ave. Day: 7,200 GPD

**Per Capita Use:** Ave. Day: 80 GPCPD

**Peak Day Demand:** (estimated) 25,200GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount | Comments |
|------------|-------------|------------|--------|----------|
| P92378W    | Groundwater | 07/06/1993 | 22 GPM |          |

**Municipal Water Right Capacity: 22 GPM** 

**Star View Estates** 

**EPA PWS** # 5600893

**Service Area Population:** 79

Water Supply: Well

Water Treatment: None

Wastewater Treatment: Individual septic

Annual Water Use: Ave. Day: 9,480 GPD

Per Capita Use: Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 33,180 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount  | Comments |
|------------|-------------|-----------|---------|----------|
| P59978W    | Groundwater | 4/21/1981 | 100 GPM |          |

Municipal Water Right Capacity: 100 GPM

#### **Town of Thayne**

**EPA PWS** # 5600159

**Service Area Population:** 351

Water Supply: Spring and Well

Water Treatment: Chlorination

Wastewater Treatment: Lagoon

Annual Water Use: Ave. Day: 268,515 GPD

**Per Capita Use:** Ave. Day: 765 GPCPD

Peak Day Demand: (estimated) 939,802 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority  | Amount   | Comments |
|------------|-------------|-----------|----------|----------|
| P20138D    | Spring      | 7/29/1947 | 1.77 CFS |          |
| P20255D    | Spring      | 1/8/1949  | 0.27 CFS |          |
| P20256D    | Spring      | 1/8/1949  | 0.60 CFS |          |
| P130958W   | Groundwater | 6/2/2000  | 650 GPM  |          |

**Municipal Water Right Capacity:** 1,835 GPM

#### **Trail Ridge Water System**

**EPA PWS** # 5601576

**Service Area Population:** 59

Water Supply: Well

Water Treatment: None

Wastewater Treatment: Individual septic

**Annual Water Use:** Ave. Day: 7,080 GPD

Per Capita Use: Ave. Day: 120 GPCPD

**Peak Day Demand:** (estimated) 24,780 GPD

**Municipal Water Rights:** 

| Permit No.           | Source      | Priority  | Amount | Comments |
|----------------------|-------------|-----------|--------|----------|
| P152037W             | Groundwater | 5/22/2003 | 80 GPM |          |
| P152038W Groundwater |             | 5/22/2003 | 80 GPM |          |

Municipal Water Right Capacity: 160 GPM

#### Turnerville Water and Sewer District (formerly Willow Ck Pipeline Co.)

**EPA PWS** # 5601115

**Service Area Population:** 90

Water Supply: Spring

Water Treatment: None

Wastewater Treatment: Individual septic

**Annual Water Use:** Ave. Day: 9,990 GPD

**Per Capita Use:** Ave. Day: 111 GPCPD

**Peak Day Demand:** (estimated) 34,965 GPD

**Municipal Water Rights:** 

| Permit No. | Source | Priority   | Amount    | Comments |
|------------|--------|------------|-----------|----------|
| P22811D    | Spring | 07/18/1967 | 0.288 CFS |          |

Municipal Water Right Capacity: 130 GPM

#### **Westview Village**

**EPA PWS** # 5600864

**Service Area Population:** 83

Water Supply: Well

Water Treatment: None

Wastewater Treatment: Individual septic

Annual Water Use: Ave. Day: 9,462 GPD

Per Capita Use: Ave. Day: 114 GPCPD

**Peak Day Demand:** (estimated) 33,117 GPD

**Municipal Water Rights:** 

| Permit No. | Source      | Priority   | Amount | Comments |
|------------|-------------|------------|--------|----------|
| P41356W    | Groundwater | 08/03/1977 | 25 GPM |          |

**Municipal Water Right Capacity: 25 GPM**