
TECHNICAL MEMORANDUM

SUBJECT: **Snake/Salt River Basin Plan**
 Basin Water Use Profile – Municipal

PREPARED BY: Sunrise Engineering, Inc.

DATE: May 2, 2002

Introduction:

This memorandum covers the topic of municipal water uses in the Snake/Salt River basin. The majority of the population in the basin is located in valleys along the Snake and Salt Rivers, although water used for municipal purposes comes from sources other than those rivers. The following towns, communities, subdivisions, and water systems are included in this memorandum:

Incorporated municipalities with primary groundwater sources:

- Town of Afton
- Town of Alpine
- Town of Thayne
- Town of Jackson

Other entities with primary groundwater sources:

- Bedford Water and Sewer District
- Etna Water and Sewer District
- Fairview Water and Sewer District
- Freedom Water and Sewer District
- Grover Water and Sewer District
- Happy Valley Pipeline Company
- Kennington Springs Pipeline Company
- Nordic Ranches Subdivision
- Community of Osmond
- North Alpine Special Service District
- Smoot Water and Sewer District
- Star Valley Ranch Association
- Star Valley Ranch RV Park / Bridger View Ranches

- Star Valley Trailer Court
- Westview Village
- Willow Creek Pipeline Company
- Alta Community Pipeline
- Aspens I/II Water and Sewer District
- Bar-B-Bar Subdivision
- Buffalo Valley Water District
- C-V Ranches
- Evans Mobile Home Court
- Gros Ventre North Subdivision
- Gros Ventre Butte West (Bar Y Estates)
- Gros Ventre Utility Company (Jackson Hole Golf and Tennis)
- High Country Subdivision
- Highland Park Subdivision
- Indian Paintbrush
- Indian Springs
- J-W Subdivision
- Little Horsethief Canyon
- Melody Ranch
- Millward Trailer Park
- Rafter J Subdivision Home Owners Association
- River Meadows Home Owners Association
- Saddle Butte Subdivision
- Skyline Ranch Improvement and Service District
- Snake River Mobile Home Park
- South Park Village Subdivision
- Spring Creek Improvement District
- Squaw Creek Water District
- Targhee Towne Water Company
- Targhee Village
- Teton Shadows Home Owners Association
- Teton Village Water and Sewer District
- Wilson Meadows

The following community also obtains water from groundwater sources in Wyoming, however the town itself is located in Idaho:

- City of Driggs, Idaho

There are no entities in the basin that obtain water from surface water sources.

Appendix A contains summaries of each municipal water user in the basin.

Methodology:

While investigating the use of water for municipal purposes, it was recognized that only four of the communities in the basin are incorporated municipalities. Many other systems serving various unincorporated communities or subdivisions also provide water for municipal type uses, and it was felt that these systems should also be included in the municipal portion of the basin water use profile. In order to have a consistent method of determining whether or not to include a particular system, it was decided that the EPA definition of a Community public water system should be used. According to the EPA website, "Public water systems provide water for human consumption through pipes or other constructed conveyances to at least 15 service connections or serves an average of at least 25 people for at least 60 days a year." Public water systems are further defined by EPA as Community, Non-Transient Non-Community, and Transient Non-Community. EPA states that a Community water system "supplies water to the same population year-round." A Non-Transient Non-Community system "supplies water to at least 25 of the same people at least six months per year, but not year-round. Some examples are schools, factories, office buildings, and hospitals which have their own water systems." A Transient Non-Community system "provides water in a place such as a gas station or campground where people do not remain for long periods of time." Using this method of classification ensured that municipal type uses were looked at collectively, while other uses such as schools, restaurants, and dude ranches were included in other portions of the basin water use profile, such as domestic use.

Information regarding municipal use of water in the basin was primarily obtained from the 2002 Water System Survey Report produced by the Wyoming Water Development Commission. Interviews were also held with representatives of some of the water systems to obtain additional information, such as water use records. If information was not available for a particular system in the 2002 Survey Report, the 2000 Survey Report was used, as well as EPA Sanitary Surveys of various dates. Past studies conducted on various water systems were also consulted for additional information.

Many of the water systems in the basin utilize water from spring sources. Were it not for the municipal depletion, this water would enter a stream and flow through the surface water system. Thus, the municipal use in the basin in reality does have an impact on surface water, although water is not diverted from a surface source directly. However, upon further review of this situation, the amount diverted is not significant. For example, the average water use in Afton, which obtains a majority of its water from spring sources, is approximately 1.25 MGD. This corresponds to less than 2 cfs, which is considered minor when compared to other surface water diversions such as irrigation headgates. This is in light of the fact that Afton represents the largest spring source use in the basin, and many other spring users only divert a fraction of the above amount. Due to the fact that the depletion from a major municipal use equates to the depletion of a minor irrigation use, it was determined that the depletions from the various municipal and community systems due to spring sources would not be included in the surface water modeling effort.

Some wastewater treatment systems discharge water to a river or stream following collection and treatment of the wastewater to appropriate standards. A majority of the systems covered in this memo utilize individual wastewater disposal systems, such as septic systems. The incorporated

municipalities do have wastewater collection and treatment systems, however the majority do not necessitate discharge. Only two systems in the basin have flows that return directly to surface water following the treatment of wastewater. These flows represent an increase to the stream flow, and are quantified in Table 1. Similar to the discussion regarding surface water depletions due to use of springs, the quantity of water discharged and returned to the surface water system is minor, and it was determined that these inflows would not be included in the surface water modeling.

Conclusions:

Table 1 provides a summary of basic data on each municipal system in the basin, such as population, water sources, and general water use rates. Table 2 lays out the peak demands experienced by each system, and how these demands compare with the capacity of the system and the current water rights held by each entity. As stated previously, Appendix A contains a summary of the water system for each municipality or community in the basin.

Appendix A

Municipal Use Summaries

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Alta Community Pipeline

EPA PWS # 5600275

Service Area Population: 50

Water Supply: Spring (75 gpm estimated)

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave. Day: 6,000 GPD

Per Capita Use: (estimated gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)

21,000 GPD

Water Supply System Capacity: 0.11 MGD (from spring flow)

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
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No wells registered on available State Engineers Office database.

Municipal Water Right Capacity: NA

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Aspens I/II Water and Sewer District

EPA PWS # 5600220

Service Area Population: 1800

Water Supply: 3 Wells

Water Treatment: No treatment currently added; however gas chlorination facilities are installed at all three well locations.

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

Monthly Water Rates: \$38.00 to 69.00

Annual Water Use: (reported, 1998)
Ave. Day: 400,000 GPD

Per Capita Use: (average annual gallons per capita per day)
Ave. Day: 222 GPCPD

Peak Day Demand: (reported, 1998)
900,000 GPD

Water Supply System Capacity: 2.58 MGD (domestic service)

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P101920W	groundwater	8/87	2180	fire well
P101923W	groundwater	3/78	800	Well #2
P101921W	groundwater	4/85	995	Well #3
P101921W	groundwater	NA	NA	Well #4

Municipal Water Right Capacity: 3975 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Bar-B-Bar Subdivision

EPA PWS # 5601439

Service Area Population: 120

Water Supply: 2 Wells

Water Treatment: Gaseous Chlorination

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
14,400 GPD

Per Capita Use: (estimated gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
50,400 GPD

Water Supply System Capacity: 1.5 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P93442W	Groundwater	10/93	500	Well #1
P93443W	Groundwater	10/93	500	Well #2
P93444W	Groundwater	10/93	520	Fire well
P93445W	Groundwater	10/93	520	Fire well

Municipal Water Right Capacity: 2040 GPM

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Buffalo Valley Public Water District

EPA PWS # 5600435

Service Area Population: 50

Water Supply: 2 Wells

Water Treatment: Unknown

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
6,400 GPD

Per Capita Use: (estimated gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
22,400 GPD

Water Supply System Capacity: Not Available

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
No wells found in State Engineers Office database				

Municipal Water Right Capacity: unknown

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: C-V Ranches* (Board of Cooperative Education Services [BOCES] Region V)

EPA PWS # 5600806

Service Area Population: 80

Water Supply: 2 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic System

Monthly Water Rates: NA

Annual Water Use:
9,600 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
33,600 GPD

Water Supply System Capacity: 0.02 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P53848W	Groundwater	11/83	150	
P53100W	Groundwater	11/83	250	Fire Well

Municipal Water Right Capacity: 400 gpm

***EPA designation “Non-Transient Non-Community Water System”**

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Evans Mobile Home Court

EPA PWS # 5600215

Service Area Population: 150

Water Supply: 2 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
18,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
63,000 GPD

Water Supply System Capacity: 0.14 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P42289W	Groundwater	10/77	50	David or Vada Evans
P61730W	Groundwater	7/82	50	Evans Land & Cattle Co.

Municipal Water Right Capacity: 100 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Gros Ventre North Subdivision

EPA PWS # 5601357

Service Area Population: 230

Water Supply: 2 Wells

Water Treatment: Gas chlorination system serves both wells, prior to tank (not in service).

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
Ave. Summer Day: 37,950 GPD
Ave Winter Day: 17,250 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Summer Day: 165 GPCPD
Ave. Winter Day: 75 GPCPD
Peak: 700 GPCPD (reported, 1998)

Peak Day Demand: (reported, 1998)
161,00 GPD

Water Supply System Capacity: 0.30 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
No wells registered on available State Engineers Office database.				

Municipal Water Right Capacity: 105 gpm (reported, 1998)

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Gros Ventre Butte West (Bar Y Estates)

EPA PWS # 5600976

Service Area Population: 270

Water Supply: 2 Wells

Water Treatment: Chlorination system at main supply well only (not in service).

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave. Day: 32,400 GPD

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)

113,400 GPD

Water Supply System Capacity: 0.14 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P75972W	Groundwater	9/87	35	not in service
P79736W	Groundwater	5/89	70	

Municipal Water Right Capacity: 105 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: High Country Subdivision

EPA PWS # 5600216

Service Area Population: 75

Water Supply: 1 Wells

Water Treatment: Pellet Chlorination System

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
9,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
31,500 GPD

Water Supply System Capacity: 0.14 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P2504W	Groundwater	12/68	100	Hi-Country

Municipal Water Right Capacity: 100 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Highland Park Subdivision*

EPA PWS # Not Available

Service Area Population: 50

Water Supply: 1Well

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
Ave. Day: 6,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
21,000 GPD

Water Supply System Capacity: 0.14 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount(gpm)</u>	<u>Comments</u>
P66199W	Groundwater	11/83	95	

Municipal Water Right Capacity: 95 gpm

***At the time of this report, not registered as an EPA public water supply**

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Indian Paintbrush

EPA PWS # 5600758

Service Area Population: 200

Water Supply: 2 Wells and 2 Springs (backup)

Water Treatment: Chlorination System in place, not used

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave. Day: 24,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand:

55,000 GPD (reported, 1998)

277,200 GPD (projected for Indian Paintbrush and “surrounding areas”)

Water Supply System Capacity: 0.18 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P71524W	Groundwater	11/85	35	
P121470W	Groundwater	6/01	90	
6774E	Surface water			Spring enlargement
6775E	Surface water			Spring enlargement

Municipal Water Right Capacity: 125 gpm

Note: Projected water use data is based on a summary of development and population projections available from the Teton County Transportation Study. Projections reflect development in the year 2020 (Level I, Teton County Water Supply Master Plan, February 1999).

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Indian Springs*

EPA PWS # Not Available

***Indian Springs Caretaker does not believe the system operates as a Public Water Supply.**

Service Area Population: 75

Water Supply: 2 Wells

Water Treatment: Hypochlorination system installed at well house

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave. Day: 9,000 GPD

Per Capita Use: (estimated average annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)

31,500 GPD

Water Supply System Capacity: 0.43 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P93613W	Groundwater	11/93	150	
P93614W	Groundwater	11/93	150	
P93615W	Groundwater	11/93	750	Fire well

Municipal Water Right Capacity: 1050 gpm

***At the time of this report, not registered as an EPA public water supply**

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Jackson Hole Golf and Tennis dba Gros Ventre Utility)

EPA PWS # 5600027

Service Area Population: 350

Water Supply: 2 Wells

Water Treatment: No treatment added

Wastewater Treatment: On site treatment plant, surface discharge to Gros Ventre River drainage.

Monthly Water Rates: \$30/month

Annual Water Use:

Ave. Day: 40,750 GPD (reported, 1998)
114,850 GPD (projected)

Per Capita Use: (average annual gallons per capita per day)

Ave. Day: 116 GPCPD

Peak Day Demand:

261,270 GPD (reported, 1998)
651,150 GPD (projected)

Water Supply System Capacity: 1.8 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount(gpm)</u>	<u>Comments</u>
P1641W	Groundwater	7/65	100	Well #1
P76094W	Groundwater	8/82	550	Enl. Of well #1
P76095W	Groundwater	8/82	600	Well #2
P7436W	Groundwater	9/71	30	Well #3

Municipal Water Right Capacity: 1280 gpm

Note: Projected water use data is based on a summary of development and population projections available from the Teton County Transportation Study. Projections reflect development in the year 2020 (Level I, Teton County Water Supply Master Plan, February 1999).

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: J-W Subdivision

EPA PWS # 5600877

Service Area Population: 50

Water Supply: 2 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
6,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
21,000 GPD

Water Supply System Capacity: 0.08 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P60074W	Groundwater	4/81	40	
P77828W	Groundwater	8/88	20	

Municipal Water Right Capacity: 60 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Little Horsethief Canyon*

EPA PWS # Not Available

Service Area Population: 50

Water Supply: 1 Well

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: NA

Annual Water Use: (estimated)
6,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
21,000 GPD

Water Supply System Capacity: Not Available

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
No wells registered with State Engineers Office				

Municipal Water Right Capacity: Not Available

***At the time of this report, not registered as an EPA public water supply**

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Melody Ranch

EPA PWS # 5601440

Service Area Population: 1300

Water Supply: 2 Wells

Water Treatment: Gaseous Chlorination

Wastewater Treatment: Town of Jackson Treatment Plant, surface discharge into Snake River drainage.

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
156,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
504,000 GPD

Water Supply System Capacity: 1.15 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P120238W	Groundwater	4/99	400	Dom. Well #2
P120237W	Groundwater	4/99	400	Dom. Well #2

Municipal Water Right Capacity: 800 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Millward Trailer Park*

EPA PWS # Not Available

Service Area Population: 40

Water Supply: 1 Well

Water Treatment: None

Wastewater Treatment: Aspens Treatment Plant, discharge into subsurface injection wells.

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
4,800 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
16,800 GPD

Water Supply System Capacity: 0.03 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P58931W	Groundwater	3/81	20	Price E. Millward
P58932W	Groundwater	3/81	20	Price E. Millward
P56102W	Groundwater	8/80	20	Price E. Millward

Municipal Water Right Capacity: 60 gpm

***At the time of this report, not registered as an EPA public water supply**

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Rafter J Subdivision HOA

EPA PWS # 5600822

Service Area Population: 1500

Water Supply: 2 Wells

Water Treatment: Gaseous Chlorination

Wastewater Treatment: Town of Jackson Treatment Plant, surface discharge into Snake River drainage.

Monthly Water Rates: \$60.00 (covers both water & sewer)+ Quarterly dues to the city of Jackson

Annual Water Use: (estimated)
Ave. Day: 180,000 GPD

Per Capita Use: (average annual gallons per capita per day)
Ave. Summer Day: 660 GPCPD (reported, EPA, 2000)

Peak Day Demand: (reported, EPA, 2000)
1.0 MGD

Water Supply System Capacity: 1.37 MGD (2/12/2002)

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P48096W	Groundwater	4/79	350	Well #3
P90512W	Groundwater	12/92	500	Well #4
P93364W	Groundwater	8/93	100	Enl. Well #3

Municipal Water Right Capacity: 950 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: River Meadows H.O.A

EPA PWS # 5600786

Service Area Population: 160

Water Supply: 2 Wells

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave. Day: 19,200 GPD

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand:

40,000 GPD (reported, 1998)

282,930 GPD (projected for River Meadows and “surrounding areas”)

Water Supply System Capacity: Not Available

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P60080W	Groundwater	5/81	25	
		1995+/-	60	redrilled well
		2002	100	estimated

Municipal Water Right Capacity: 185 gpm (registered)

Note: Projected water use data is based on a summary of development and population projections available from the Teton County Transportation Study. Projections reflect development in the year 2020 (Level I, Teton County Water Supply Master Plan, February 1999).

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Saddle Butte Subdivision

EPA PWS # 5601401

Service Area Population: 60

Water Supply: 1 Well and Town of Jackson as supplement

Water Treatment: Chlorination System

Wastewater Treatment: Town of Jackson treatment plant, surface discharge into Snake River drainage.

Monthly Water Rates: Not Available

Annual Water Use:

Ave. Day: 4,000 GPD (existing)
6,000 GPD (projected at build out)

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand:

8,000 GPD (existing)
12,000 GPD (projected at build out)

Water Supply System Capacity: 0.02 MGD plus TOJ

Municipal Water Rights:

Permit No.	Source	Priority	Amount (gpm)	Comments
NA	Groundwater		15	per 1995 report

Municipal Water Right Capacity: 15 gpm plus TOJ

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: 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

Monthly Water Rates: \$25.00 + \$1.25/1000gal over 7000gal

Annual Water Use: (estimated)

Ave. Day: 19,200 GPD

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)

67,200 GPD

Water Supply System Capacity: 0.47 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P2248W	Groundwater	12/74	100	120 gpm actual
P28164W	Groundwater		225	

Municipal Water Right Capacity: 325 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Snake River Mobile Home Park

EPA PWS # 5600214

Service Area Population: 60

Water Supply: 2 Wells, one in service

Water Treatment: Hypochloride chlorination, as required by EPA because of the influence of surface water on well

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: NA

Annual Water Use: (estimated)
7,200 GPD

Per Capita Use: (estimated gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
25,200 GPD

Water Supply System Capacity: 0.058 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P51149W	Groundwater	12/79	25	
P51149W	Groundwater	1987	40	Well enlargement

Municipal Water Right Capacity: 65 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: South Park Village Subdivision

EPA PWS # 5600836

Service Area Population: 70

Water Supply: 1 Well

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)
8,400 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
29,400 GPD

Water Supply System Capacity: Not Available

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
No wells registered on available State Engineers Office database.				

Municipal Water Right Capacity: Not Available

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Spring Creek Improvement District

EPA PWS # 5600811

Service Area Population: 500

Water Supply: 2 Wells

Water Treatment: Not Available

Wastewater Treatment: Town of Jackson treatment plant, surface discharge into Snake River drainage.

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave Summer Day: 82,500 GPD

Ave Winter Day: 37,500 GPD

Per Capita Use: (average annual gallons per capita per day)

Ave Summer Day: 165 GPCPD

Ave. Winter Day: 75 GPCPD

Peak Day Demand: (estimated)

210,000GPD

Water Supply System Capacity: 01.72 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comment</u>
P96459W	Groundwater	7/94	800	
P96458W	Groundwater	7/94	400	

Municipal Water Right Capacity: 1200 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Squaw Creek Water District

EPA PWS # 5600737

Service Area Population: 225

Water Supply: 1 Spring & 2 Wells

Water Treatment: Chlorination System at wells and spring

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: \$21.00

Annual Water Use: (estimated)

Ave. Day: 27,000 GPD

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)

94,500 GPD

Water Supply System Capacity: 0.11 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
NA	Groundwater	7/96	40	
NA	Groundwater	7/96	35	

Municipal Water Right Capacity: 75 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Targhee Towne Water Co., Inc.

EPA PWS # 5600787

Service Area Population: 80

Water Supply: 1 Well

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave. Day: 9,600 GPD

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)

33,600 GPD

Water Supply System Capacity: 0.14 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P12797W	Groundwater	1/72	100	Targhee Water Corp.

Municipal Water Right Capacity: 100 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Targhee Village*

EPA PWS # Not Available

Service Area Population: 90

Water Supply: 1 Well

Water Treatment: None

Wastewater Treatment: Individual Septic Systems

Monthly Water Rates: Not Available

Annual Water Use: (estimated)

Ave. Day: 10,800 GPD

Per Capita Use: (estimated annual gallons per capita per day)

Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)

37,800 GPD

Water Supply System Capacity: Not Available

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
No wells registered on available State Engineers Office database.				

Municipal Water Right Capacity: Not Available

***At the time of this report, not registered as an EPA public water supply**

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Teton Shadows HOA

EPA PWS # 5600724

Service Area Population: 180

Water Supply: 1 Well

Water Treatment: None

Wastewater Treatment: Onsite treatment plant, subsurface discharge into groundwater.

Monthly Water Rates: \$10.00

Annual Water Use: (estimated)
21,600 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
75,600 GPD

Water Supply System Capacity: 0.072 MGD

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount (gpm)</u>	<u>Comments</u>
P15642W	Groundwater	7/72	50	

Municipal Water Right Capacity: 50 gpm

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Teton Village Water and Sewer District

EPA PWS # 5600218

Service Area Population: 200 (permanent)
5240 (transient equivalent)

Water Supply: 3 Wells

Water Treatment: Well Nos. 2 and 3 have chlorination facilities.

Wastewater Treatment: Advanced Treatment Plant with discharge into subsurface injection wells.

Monthly Water Rates: \$11.00

Annual Water Use: (reported, 1998)

Ave. Summer Day: 351,000 GPD (reported, 1998), 1.32 MGD (projected)

Ave. Winter Day: 252,000 GPD (reported, 1998), 0.80 MGD (projected)

Per Capita Use: (average annual gallons per capita per day)

Ave. Summer Day: 293 GPCPD

Ave. Winter Day: 210 GPCPD

Peak Day Demand:

471,000 GPD (reported, 1998)

1.50 MGD (projected)

Water Supply System Capacity: 0.54 MGD

Municipal Water Rights:

Permit No.	Source	Priority	Amount (gpm)	Comments
P32547W	Groundwater	3/76	350	
P100142W	Groundwater	3/94	1000	Well #1
P100143W	Groundwater	3/94	1000	Well #2

Municipal Water Right Capacity: 2350 gpm

Note: Projected water use data is based on a summary of development and population projections available from the Teton County Transportation Study. Projections reflect development in the year 2020 (Level I, Teton County Water Supply Master Plan, February 1999).

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Town of Jackson

EPA PWS # 5600213

Service Area Population: 8500 (permanent)
15,000 (transient equivalent)

Water Supply: 7 Wells

Water Treatment: Chlorine disinfection at all wells; a linear chain polyphosphate is added to all wells to sequester iron and manganese.

Wastewater Treatment: Aerated lagoon system with surface discharge into Snake River drainage.

Monthly Water Rates: \$9.47

Annual Water Use:

Ave. Day: 2.92 MGD (1997)
4.3 MGD (projected)

Water Use per ERU*: (average annual gallons per capita per day)

Max Day: 885 GPD/ERU
Ave Day: 467 GPD/ERU

*An equivalent residential unit (ERU) was established in the 1998 water study. The figure accommodates the large influx of visitors to the Town of Jackson.

Peak Day Demand:

5,530,000 GPD (reported, 1998)
9.266 MGPD (projected)

Water Supply System Capacity: 13.8 MGD

Municipal Water Rights

Permit No.	Source	Priority	Amount (gpm)	Comments
P1386W	Groundwater	12/18/64	700	Well #1
P1385W	Groundwater	12/18/64	950	Well #2
P1945W	Groundwater	4/4/67	700	Well #3
P2055W	Groundwater	7/67	950	Enl. well #2
P69746W	Groundwater	4/85	2500	Well #5
P101360W	Groundwater	4/97	1250	Well #6
P101361W	Groundwater	4/97	1250	Well #7
P101362W	Groundwater	4/97	1300	Well #8

Municipal Water Right Capacity: 9,600 gpm

Note: Projected water use data is based on a summary of development and population projections available from the Teton County Transportation Study. Projections reflect development in the year 2020 (Level I, Teton County Water Supply Master Plan, February 1999).

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Wilson Meadows Water System

EPA PWS # 5601473

Service Area Population: 180

Water Supply: 4 Wells

Water Treatment:

Wastewater Treatment: Aspens Treatment Plant, discharge into subsurface injection wells.

Monthly Water Rates: \$18.00

Annual Water Use: (estimated)
21,600 GPD

Per Capita Use: (estimated annual gallons per capita per day)
Ave. Day: 120 GPCPD

Peak Day Demand: (estimated)
75,600 GPD

Water Supply System Capacity: Not Available

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
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No wells registered on available State Engineers Office database.

Municipal Water Right Capacity: Not Available

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Town of Afton

EPA PWS #5600002

Service Area Population: 1640

Water Supply: The Periodic Spring is the main source of water. Three smaller springs that were originally part of the North Afton Water & Sewer District are also in use. Two (2) groundwater wells are also used, whose depths are 175 feet and 350 feet respectively.

Water Treatment: None

Wastewater Treatment: A zero discharge lagoon system.

Monthly Water Rates: \$20.00 as a flat rate regardless of use. Users on the former North Afton system are charged \$26.00 as a flat rate regardless of use.

Annual Water Use: (2002) Annual = 456.25 MG
Average Day = 1,250,000 gallons

Per Capita Use: Average Day = 760 GPCPD

Peak Day Demand: (reported) 4,700,000 GPD

Water Supply System Capacity: 12,500 gpm

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
12154	Periodic Spring	1913	2.5 cfs	
Various	Periodic Spring	Various	4.65086 cfs	
6663	Periodic Spring	04/17/1905	0.42 cfs	
Various	North Afton Springs	Various	1.7091 cfs	North Afton Rights
U.W. 65653	Ground	04/07/1983	150.0 gpm	
U.W. 86364	Ground	09/27/1991	900.0 gpm	
U.W. 91531	Ground	02/11/1993	200.0 gpm	Enlargement of 86364

Municipal Water Right Capacity: 5415 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Eddins, Lael, Interview, November 14, 2001.

Forsgren Associates, Afton Municipal Water Supply Level II Study, November 1990.

Hokanson, Lisa, "Rate Table Summaries, 1998-2001", 2002.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Town of Alpine

EPA PWS # 5600156

Service Area Population: 288

Water Supply: Two (2) groundwater wells

Water Treatment: Disinfection/Chlorination

Wastewater Treatment: A package facility with discharge to the Snake River.

Monthly Water Rates: \$25.00 base rate includes 20,000 gallons, \$0.80 for each additional 1,000 gallons.

Annual Water Use: (2002) Annual = 59.62 MG
Average Day = 160,000 gallons
Annual Return Flows = 10.70 MG

Per Capita Use: Average Day = 291 GPCPD

Peak Day Demand: (reported) 480,000 GPD

Water Supply System Capacity: 650 gpm

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 39163	Ground	07/20/1977	200 gpm	Alpine Water District #1
U.W. 78067	Ground	12/27/1985	100 gpm	Enl. Alpine Water District #1
U.W. 77717	Ground	06/23/1988	375 gpm	Alpine W&S District #2
U.W. 98662	Ground	03/27/1995	50 gpm	Enl. Alpine Water District #1

Municipal Water Right Capacity: 725 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Schwab, Lee, "Alpine Monthly Flow Wastewater Effluent", 2002

Matthews, Tracy, “Water Reports 1996-2002”, 2002.

Sunrise Engineering, Inc., Preliminary Engineering Report, Town of Alpine Water System Improvement Project, August 1994.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Bedford Water and Sewer District

EPA PWS # 5600006

Service Area Population: 560

Water Supply: One well and two springs.

Water Treatment: None

Wastewater Treatment: Individual septic systems, with no surface discharge.

Monthly Water Rates: \$30.00 base rate includes 60,000 gallons, \$0.25 for each additional 1,000 gallons.

Annual Water Use: (2002) Annual = 547.50 MG
Average Day = 1,500,000 gallons

Per Capita Use: Average Day = 350 GPCPD

Peak Day Demand: (reported) 2,000,000 GPD

Water Supply System Capacity: 2050 gpm

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
20014	Big Spring	07/03/1945	0.61 cfs	
4521E	Strawberry Cr.	03/26/1923	1.14 cfs	
U.W. 81829	Ground	01/31/1990	300 gpm	

Municipal Water Right Capacity: 1085 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Etna Water and Sewer District

EPA PWS # 5600157

Service Area Population: 85

Water Supply: Water is supplied by Wolfley Spring, Lee Spring, and a well.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$7.67 as a flat rate regardless of use.

Annual Water Use: (2002) Annual = 2.48 MG
Average Day = 6,800 gallons

Per Capita Use: Average Day = 80 GPCPD

Peak Day Demand: (reported) 13,600 GPD

Water Supply System Capacity: 1050 gpm (springs are variable)

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
6984	Lee Spring	11/1905	0.39 cfs	
6234E	Lee Spring	7/1963	0.28 cfs	
7790	Wolfley Spring	6/1907	0.83 cfs	
18930	Wolfley Spring	8/1937	0.06 cfs	
U.W. 139351	Ground	09/24/2001	350 gpm	

Municipal Water Right Capacity: 1050 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Forsgren Associates, Etna Water and Sewer District Water Supply System, Final Report (Revised), November 1993.

Bateman, John, Telephone Interview, April 18, 2002.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Fairview Water and Sewer District

EPA PWS # 5600166

Service Area Population: 360

Water Supply: The Fairview Water and Sewer District is supplied by one well with a depth of 275 feet.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$20.00 base rate includes 50,000 gallons, \$0.50 for each additional 1,000 gallons.

Annual Water Use: (2002) Annual = 6.20 MG
Average Day = 17,000 gallons

Per Capita Use: Average Day = 55 GPCPD

Peak Day Demand: (reported) 43,500 GPD

Water Supply System Capacity: 400 gpm

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 93172	Ground	07/30/1993	245 gpm	

Municipal Water Right Capacity: 245 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Forsgren Associates, Star Valley Municipal Water Supply Level II Study Report of the Fairview Water Supply System, November 1991.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Freedom Water and Sewer District

EPA PWS # 5600158

Service Area Population: 120

Water Supply: The Freedom Water and Sewer District is supplied by one well.

Water Treatment: Disinfection/Chlorination

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$30.00 base rate including 50,000 gallons, \$1.00 for each additional 1,000 gallons.

Annual Water Use: (2002) Annual = 25.55 MG
Average Day = 70,000 gallons

Per Capita Use: Average Day = 1450 GPCPD:

Peak Day Demand: (reported) 100,000 GPD

Water Supply System Capacity: (2000) 400 gpm

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 396	Ground	09/16/1955	500 gpm	Not Used
U.W. 101707	Ground	02/23/1996	400 gpm	

Municipal Water Right Capacity: 400 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Forsgren Associates, Star Valley Municipal Water Supply Level II Study Report of the Freedom Water Supply System, November 1991.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Grover Water and Sewer District

EPA PWS # 5600160

Service Area Population: 280

Water Supply: The Grover Water and Sewer District is supplied by one well and one spring.

Water Treatment: Disinfection/Chlorination

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$20.00 base rate including 75,000 gallons, \$0.50 for each additional 1,000 gallons.

Annual Water Use: (2002) Annual = 21.90 MG
Average Day = 60,000 gallons

Per Capita Use: Average Day = 200 GPCPD

Peak Day Demand: (reported) 150,000 GPD

Water Supply System Capacity: 250 gpm

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
18543	Grover Spring	01/10/1935	0.02 cfs	
6744E	Grover Spring	01/03/1978	0.24 cfs	
U.W. 93173	Ground	07/30/1993	270 gpm	

Municipal Water Right Capacity: 387 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming Water Development Commission, Water System Survey Report, 2000.

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Forsgren Associates, Star Valley Municipal Water Supply Level II Study Report of the Grover Water Supply System, November 1991.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Happy Valley Pipeline Company

EPA PWS # 5600153

Service Area Population: 60

Water Supply: The Happy Valley Pipeline Company is supplied by two springs.

Water Treatment: None

Wastewater Treatment: Individual septic systems, with no surface discharge.

Monthly Water Rates: \$12.50 as a flat rate regardless of use.

Annual Water Use: (1993) Annual = 91.25 MG
Average Day = 250,000 gallons

Per Capita Use: Average Day = 3600 GPCPD (estimated)

Peak Day Demand: unknown

Water Supply System Capacity: unknown

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
22655	Water Cress Spring #2	05/09/1966	0.36 cfs	
6852E	Water Cress Spring #2	07/12/1978		
6853E	Water Cress Spring #2	01/15/1987		
24245	Water Cress Spring #1	12/03/1973		
6854E	Water Cress Spring #1	01/15/1987		

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

Municipal Water Right Capacity: 162 gpm

References:

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Stump, Phil, WDEQ, EPA Sanitary Surveys (various dates), 2001

Lancaster, Vernon, Telephone Interview, April 8, 2002.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Kennington Springs Pipeline Company

EPA PWS # 5601199

Service Area Population: 63

Water Supply: The Kennington Spring Pipeline Company is supplied by Kennington Springs.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$4.17 as a flat rate regardless of use (\$50.00 per year per household).

Annual Water Use: (1996) Annual = 2.30 MG
Average Day = 6,300 gallons

Per Capita Use: Average Day = 100 GPCPD (estimated)

Peak Day Demand: unknown

Water Supply System Capacity: unknown, however system has always had excess water overflowing at the collection box.

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
29906	Kennington Spring #1	04/08/1988	1.105 cfs	
29907	Kennington Spring #2	04/08/1988		

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

Municipal Water Right Capacity: 496 gpm

References:

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Stump, Phil, WDEQ, EPA Sanitary Surveys (various dates), 2001

Kennington, Larry, Telephone Interview, April 8, 2002.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Nordic Ranches Subdivision

EPA PWS # 5601418

Service Area Population: 180

Water Supply: The Nordic Ranch Subdivision is supplied by two wells.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$25.00 base rate includes 20,000 gallons, \$0.80 for each additional 1,000 gallons.

Annual Water Use: (2001) Annual = 11.23 MG
Average Day = 30,800 gallons

Per Capita Use: Average Day = 171 GPCPD

Peak Day Demand: unknown

Water Supply System Capacity: 235 gpm (pending Well #3)

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 76226	Ground	01/11/1988	20 gpm	Nordic Ranches Well #1
U.W. 95148	Ground	03/08/1993	10 gpm	Enl. Nordic Ranches Well #1
U.W. 100147	Ground	08/07/1995	85 gpm	2 nd Enl. Nordic Ranches #1
U.W. 108464	Ground	12/22/1997	120 gpm	Nordic Ranches Well #2
U.W. 129012	Ground	08/30/2000		Nordic Ranches Well #3

Municipal Water Right Capacity: 235 gpm (pending completion of Well #3)

References:

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Three Rivers Construction, Telephone Interview and faxed information, April 4, 2002.

Stump, Phil, WDEQ, EPA Sanitary Surveys (various dates), 2001

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Community of Osmond

EPA PWS # 5600154

Service Area Population: 200

Water Supply: The Osmond Pipeline is served by one spring.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$10.00 as a flat rate regardless of use.

Annual Water Use: (2002) Annual = 39.65 MG
Average Day = 108,625 gallons

Per Capita Use: Average Day = 95 GPCPD

Peak Day Demand: (reported) 375,000 GPD

Water Supply System Capacity: 600 gpm

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
17657	Water Cress Spring #1	09/25/1929	0.50 cfs	Not used
22599	Osmond Spring	11/17/1961	S.S.	Sole Source

Municipal Water Right Capacity: 0.50 cfs

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Forsgren Associates, Star Valley Municipal Water Supply Level II Study Report of the Osmond Water Supply System, November 1991.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: North Alpine Special Service District

EPA PWS # 5601021

Service Area Population: 40

Water Supply: The Rees Subdivision is supplied by one well.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$25.00 as a flat rate regardless of use.

Annual Water Use: (2000) Annual = 1.17 MG
Average Day = 3,200 gallons

Per Capita Use: Average Day = 80 GPCPD

Peak Day Demand: unknown

Water Supply System Capacity: 40 gpm

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 102467	Ground	03/14/1988	40 gpm	Also serves other uses

Municipal Water Right Capacity: 40 gpm

References:

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Sunrise Engineering, Inc., Alpine Junction Water Level I Study, September 1995.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Smoot Water & Sewer District

EPA PWS # 5601397

Service Area Population: 500

Water Supply: The Greater Smoot Water and Sewer District is served by two springs and one well.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$25.00 base rate, \$1.00 per each additional 1,000 gallons.

Annual Water Use: (2000) Annual = 5.48 MG
Average Day = 15,000 gallons

Per Capita Use: Average Day = 250 GPCPD

Peak Day Demand: unknown

Water Supply System Capacity: 700 gpm

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
19293	Forks Spring	11/30/1939	0.076 cfs	
5302E	Forks Spring #2	12/16/1940	0.274 cfs	
U.W. 101115	Ground	10/20/1995	500 gpm	Smoot #1

Municipal Water Right Capacity: 657 gpm

References:

Wyoming Water Development Commission, Water System Survey Report, 2000.

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Forsgren Associates, Star Valley Municipal Water Supply Level II Study Report of the Smoot Water Supply System, November 1991.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Star Valley Ranch Association

EPA PWS # 5600287

Service Area Population: 1800 (summer population)
600 (winter population)

Water Supply: The Star Valley Ranch Association water system is served by one well and two springs.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$16.60 as a flat rate regardless of use.

Annual Water Use: (2002) Annual = 383.25 MG
Average Day = 1,050,000 gallons

Per Capita Use: Average Day = 685 GPCPD

Peak Day Demand: (reported) 2,150,000 GPD

Water Supply System Capacity: 2200 gpm

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 13319	Ground	04/16/1971	300 gpm	Prater Canyon Spring
U.W. 82826	Ground	07/29/1985		Enl. Prater Canyon Spring
U.W. 82827	Ground	07/16/1987		2 nd Enl. Prater Canyon Spring
U.W. 112130	Ground	09/30/1998		3 rd Enl. Prater Canyon Spring
U.W. 90328	Ground	11/30/1992	400 gpm	SVRA N. Airstrip Well
U.W. 112131	Ground	09/30/1998		1 st Enl. N. Airstrip Well
U.W. 120239	Ground	05/28/1999		Cedar #1
28143	Stewart Spr.	09/09/1982	2.22 cfs	Stewart Pipeline
6973E	Stewart Spr.	07/16/1987		1 st Enl. Stewart Pipeline
6974E	Stewart Spr.	09/08/1989		2 nd Enl. Stewart Pipeline

Municipal Water Right Capacity: 1,696 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Sunrise Engineering, Inc., Preliminary Engineering Report Evaluating Culinary Water Availability, Needs & Rights, 1994

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Star Valley Ranch RV Park / Bridger View Ranches

EPA PWS # unknown

Service Area Population: 30 year round (Bridger View Ranches subdivision)
2000 summer use (RV Park operates May 1 to October 31)

Water Supply: The Star Valley Ranch RV Park and Bridger View Ranches subdivision are served by two wells.

Water Treatment: None

Wastewater Treatment: A zero discharge lagoon system.

Monthly Water Rates: Not billed separately, included as part of yearly dues.

Annual Water Use: unknown

Per Capita Use: Average Day = 75 GPCPD (RV Park)

Peak Day Demand: unknown

Water Supply System Capacity: 625 gpm

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
U.W. 89402	Ground	08/28/1992	300 gpm	
U.W. 137210	Ground	08/01/2001	325 gpm	

Municipal Water Right Capacity: 625 gpm

References:

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Vicki Jepperson, Telephone Interview, April 18, 2002.

Sunrise Engineering, Inc., Preliminary Engineering Report Evaluating Culinary Water Availability, Needs & Rights, 1994

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Star Valley Trailer Court

EPA PWS # 5601017

Service Area Population: 100

Water Supply: The Star Valley Trailer Court is supplied by one well.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: Not billed separately, included as part of lot rent.

Annual Water Use: (2001) Annual = 2.92 MG
Average Day = 8,000 gallons

Per Capita Use: Average Day = 80 GPCPD:

Peak Day Demand: unknown

Water Supply System Capacity: unknown

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 92378	Ground	07/06/1993	22 gpm	artesian well w/ pump

Municipal Water Right Capacity: 22 gpm

References:

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Stump, Phil, WDEQ, EPA Sanitary Surveys (various dates), 2001

Hendrick, Bruce, Telephone Interview, April 23, 2002.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Town of Thayne

EPA PWS # 5600159

Service Area Population: 318

Water Supply: The Town of Thayne is supplied by one spring and one well.

Water Treatment: Disinfection/Chlorination

Wastewater Treatment: A zero discharge lagoon system.

Monthly Water Rates: \$12.00 as a flat rate regardless of use.

Annual Water Use: (2002) Annual = 146.00 MG
Average Day = 350,000 gallons

Per Capita Use: Average Day = 500 GPCPD

Peak Day Demand: 1,000,000 GPD

Water Supply System Capacity: 500 gpm

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
20138	Flat Creek	07/29/1947	0.67 cfs	
20255	Beta Spring	01/08/1949	0.27 cfs	Not Used
20256	Alpha Spring	01/08/1949	0.60 cfs	Not Used
U.W. 130958	Ground	06/02/2000	750 gpm	

Municipal Water Right Capacity: 1441 gpm

References:

Wyoming Water Development Commission, Water System Survey Report (draft data), 2002.

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Aullman, Robert, Telephone Interview, April 4, 2002.

Forsgren Associates, Thayne Water Supply Level II Study, November 1997.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Westview Village

EPA PWS # 5600864

Service Area Population: 70

Water Supply: The Westview Village Subdivision is supplied by one well.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$12.50 as a flat rate regardless of use (\$150.00 yearly).

Annual Water Use: (1995) Annual = 1.25 MG
Average Day = 3,400 gallons

Per Capita Use: Average Day = 50 GPCPD

Peak Day Demand: unknown

Water Supply System Capacity: 25 gpm

Municipal Water Rights:

<u>Permit No.</u>	<u>Source</u>	<u>Priority</u>	<u>Amount</u>	<u>Comments</u>
U.W. 41356	Ground	08/03/1977	25 gpm	

Municipal Water Right Capacity: 25 gpm

References:

Wyoming State Engineer's Office, "Well Inventory Data", March 2001.

Stump, Phil, WDEQ, EPA Sanitary Surveys (various dates), 2001

Prescott, Ray, Telephone Interview, April 8, 2002.

**Snake/Salt River Basin Planning Study
Municipality Summary**

Entity: Willow Creek Pipeline Company

EPA PWS # 5601115

Service Area Population: 50

Water Supply: The Willow Creek Pipeline Company is supplied by one spring.

Water Treatment: None

Wastewater Treatment: Individual septic systems with zero discharge.

Monthly Water Rates: \$16.67 as a flat rate regardless of use (\$200.00 per year per residence).

Annual Water Use: (1997) Annual = 3.65 MG
Average Day = 10,000 gallons

Per Capita Use: Average Day = 200 GPCPD (estimated)

Peak Day Demand: unknown

Water Supply System Capacity: unknown

Municipal Water Rights:

Permit No.	Source	Priority	Amount	Comments
22811	Willow Creek	07/18/1967	0.29 cfs	

Municipal Water Right Capacity: 130 gpm

References:

Wyoming State Engineer's Office, Tabulation of Adjudicated Surface Water Rights of the State of Wyoming, Water Division Number Four, October 1999.

Stump, Phil, WDEQ, EPA Sanitary Surveys (various dates), 2001

Merritt, Rand, Telephone Interview, April 8, 2002.

Table 1

**Snake/Salt Basin Plan
Municipal Water Systems
Ground Water Sources**

TOWN/COMMUNITY	POPULATION	SPRINGS	WELLS	AVG. USE GPCPD	AVG. DAY Gal/day	PEAK DAY Gal/day	RETURN FLOWS Gal/day
Alta Community Pipeline	50	1	0	120	6,000	21,000	none
Aspens I/II Water and Sewer District	1,800	0	3	222	400,000	900,000	none
Bar-B-Bar Subdivision	120	0	2	120	14,400	50,400	none
Buffalo Valley Water District							none
C-V Ranches	80	0	2	120	9,600	33,600	none
City of Driggs (Idaho)	1,100	1	5	557	613,000	2,363,000	none
Evans Mobile Home Court	150	0	2	120	18,000	63,000	none
Gros Ventre North Subdivision	230	0	2	165	37,950	161,000	none
Gros Ventre Butte West (Bar Y Estates)	270	0	2	120	32,400	113,400	none
High Country Subdivision	75	0	1	120	9,000	31,500	none
Highland Park Subdivision	50	0	1	120	6,000	21,000	none
Indian Paintbrush	200	2	2	120	24,000	55,000	none
Indian Springs	75	0	2	120	9,000	31,500	none
Gros Ventre Utility Company (Jackson Hole Golf & Tennis)	350	0	2	116	40,750	261,270	none
J-W Subdivision	50	0	2	120	6,000	21,000	none
Little Horsethief Canyon	50	0	1	120	6,000	21,000	none
Melody Ranch	1,300	0	2	120	156,000	504,000	see Jackson
Millward Trailer Park	40	0	1	120	4,800	16,800	none
Rafter J Subdivision H.O.A.	1,500	0	2	660	180,000	990,000	see Jackson
River Meadows H.O.A.	160	0	2	120	19,200	40,000	none
Saddle Butte Subdivision	60	0	1	120	4,000	8,000	none
Skyline Ranch Improvement and Service District	160	0	2	120	19,200	67,200	none
Snake River Mobile Home Park	60	0	2	120	7,200	25,200	none
South Park Village Subdivision	70	0	1	120	8,400	29,400	none
Spring Creek Improvement District	500	0	2	165	82,500	210,000	see Jackson
Squaw Creek Water District	225	1	2	120	27,000	94,500	none
Targhee Towne Water Company	80	0	1	120	9,600	33,600	none
Targhee Village	90	0	1	120	10,800	37,800	none
Teton Shadows H.O.A.	180	0	1	120	21,600	75,600	none
Teton Village Water and Sewer District	5,240	0	3	293	351,000	471,000	none
Town of Jackson	15,000	0	7	467	2,920,000	5,530,000	1,557
Wilson Meadows	180	0	4	120	21,600	75,600	none
Town of Afton	1,640	3	2	760	1,250,000	4,700,000	none
Town of Alpine	288	0	2	291	160,000	480,000	1,084
Bedford Water and Sewer District	560	2	1	350	1,500,000	2,000,000	none
Etna Water & Sewer District	85	2	1	80	6,800	13,600	none
Fairview Water & Sewer District	360	0	1	55	17,000	43,500	none
Freedom Water and Sewer District	120	0	1	1,450	70,000	100,000	none
Grover Water and Sewer District	280	1	1	200	60,000	150,000	none
Happy Valley Pipeline Company	60	2	0	3,600	250,000		none
Kennington Springs Pipeline Company	63	1	0	100	6,300		none
Nordic Ranches Subdivision	180	0	2	171	30,800		none
Osmond Community	200	1	0	95	108,625	375,000	none
North Alpine Special Service District	40	0	1	80	3,200		none
Smoot Water & Sewer District	500	2	1	250	15,000		none
Star Valley Ranch Association	1,800	2	1	685	1,050,000	2,150,000	none
Star Valley Ranch RV Park/Bridger View Ranches	900	0	2	75			none
Star Valley Trailer Court	100	0	1	80	8,000		none
Town of Thayne	318	1	1	500	350,000	1,000,000	none
Westview Village	70	0	1	50	3,400		none
Willow Creek Pipeline Company	50	1	0	200	10,000		none

Table 2

**Snake/Salt Basin Plan
Municipal Water Systems
Ground Water Sources**

TOWN/COMMUNITY	PEAK DAY DEMAND		SYSTEM CAPACITY	WATER RIGHT CAPACITY
	Gal/day	gpm		
Alta Community Pipeline	21,000	15	76	
Aspens I/II Water and Sewer District	900,000	625	1,792	3,975
Bar-B-Bar Subdivision	50,400	35	1,042	2,040
Buffalo Valley Water District		0		
C-V Ranches	33,600	23	14	400
City of Driggs (Idaho)	2,363,000	1,641	2,542	4,990
Evans Mobile Home Court	63,000	44	97	100
Gros Ventre North Subdivision	161,000	112	208	105
Gros Ventre Butte West (Bar Y Estates)	113,400	79	97	105
High Country Subdivision	31,500	22	97	100
Highland Park Subdivision	21,000	15	97	95
Indian Paintbrush	55,000	38	125	125
Indian Springs	31,500	22	299	1,050
Gros Ventre Utility Company (Jackson Hole Golf & Tennis)	261,270	181	1,250	1,280
J-W Subdivision	21,000	15	56	60
Little Horsethief Canyon	21,000	15		
Melody Ranch	504,000	350	799	800
Millward Trailer Park	16,800	12	21	60
Rafter J Subdivision H.O.A.	990,000	688	951	950
River Meadows H.O.A.	40,000	28		185
Saddle Butte Subdivision	8,000	6	14	15
Skyline Ranch Improvement and Service District	67,200	47	326	325
Snake River Mobile Home Park	25,200	18	40	65
South Park Village Subdivision	29,400	20		
Spring Creek Improvement District	210,000	146	1,194	1,200
Squaw Creek Water District	94,500	66	76	75
Targhee Towne Water Company	33,600	23	97	100
Targhee Village	37,800	26		
Teton Shadows H.O.A.	75,600	53	50	50
Teton Village Water and Sewer District	471,000	327	375	2,350
Town of Jackson	5,530,000	3,840	9,583	9,600
Wilson Meadows	75,600	53	0	
Town of Afton	4,700,000	3,264	12,500	5,415
Town of Alpine	480,000	333	650	725
Bedford Water and Sewer District	2,000,000	1,389	2,050	1,085
Etna Water & Sewer District	13,600	9	1,050	700
Fairview Water & Sewer District	43,500	30	400	245
Freedom Water and Sewer District	100,000	69	400	400
Grover Water and Sewer District	150,000	104	250	387
Happy Valley Pipeline Company				162
Kennington Springs Pipeline Company				496
Nordic Ranches Subdivision			235	235
Osmond Community	37,500	26	600	224
North Alpine Special Service District			40	40
Smoot Water & Sewer District			700	657
Star Valley Ranch Association	2,150,000	1,493	2,200	1,696
Star Valley Ranch RV Park/Bridger View Ranches			625	625
Star Valley Trailer Court				22
Town of Thayne	1,000,000	694	500	1,441
Westview Village			25	25
Willow Creek Pipeline Company				130