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APR 2 7 2020

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

STATEMENT OF COMPLETION

FOR SUBMITTING PROOF OF BENEFICIAL USE

| FOR OFFICE | USE ONLY |
|--|----------|
| Amt. of Fee \$ | 50 |
| Receipt No | 108671 |
| Receipted By | KM |
| Date Receipted 🚣 | 1-27-620 |
| Receipted By Date Receipted <u></u> | 1-27-620 |

DEPARTMENT OF WATER RESCUENCE

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been completed and that water has been applied to beneficial use to the extent described below. This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner. Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, contact any Department office or visit the Department's website at idwr.idaho.gov for an Assignment of Permit form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

| | 20 12265 | _ | | 12001717 | ogu. | • |
|-----------|--|--|-------------------------|-------------------------|----------------|-------------------|
| | Permit No. 22-13265 | | | (208) 787. | 7991 |) |
| | Name of Permit Holder(s) | | | | | |
| 3. | Mailing Address P.O.Bo | | | City Victo | 144 | |
| | State ID Zip <u>93455</u> | Email | oberthev | ictorcityid | aho | com |
| 4. | Source of Water Ground | vater IFGRO | UND WATER (W | ell), Date Drilled me | o. June | /yr. 2810 |
| | Well Driller High Plan | ns Drilling | Drilling Permit N | Number5 | 486 | |
| 5. | Extent of use(s) completed as author | orized by the water rig | ght permit: | | | |
| | Domestic (No. of households) 114 | Stockwater (No. a | nd type of stock) | | | |
| | Irrigation (No. of acres) | Other | | | | |
| 6. | Total rate of diversion or storage vol | ume for which proof is | submitted $_{-}$ $_{3}$ | cfs OR | acre- | feet. |
| 7. | Compliance with a measuring device Refer to the approval conditions on y The Department will not issue a lie | your permit and respon | d accordingly. | • | other cond | itions of permit: |
| | - | a measuring device r yes, has the measuring | - | talled? | Yes ⊠ Yes ⊠ | No □ No □ |
| | • | a lockable device req yes, has the lockable d | | | Yes □ Yes □ | No ⊠ No ⊠ |
| | | a fish screen required yes, has the fish scree | | | Yes □ Yes □ | No ☑ No ☑ |
| | Other Conditions of Permit Do the approval conditions on your beneficial use? If yes, list the condition Report | | locuments with th | ne required information | on. | |
| 8 | Fee Enclosed \$ or not a | | | | , , | 0. 389909 |
| ٠. | Proof statements filed without an ap | | | | • | |
| 9. | Person to contact to accompany the | Department represent | ative during field | examination of the w | vater syste | m. |
| | Name Robert M. H | casevelalt Te | lephone Number | _(208) 39 | 9-21 | 55 |
| | Mailing Address P.O.Box | 122 | | City Victo | 05 | |
| | Mailing Address P.O.Box State ID Zip 93 (155 | Email <u>robe</u> | rthauid | torcity ida | ho.co | η |
| de the | e information given on this form is veloped and water has been divert e permit is relinquished to the Stat | ed and applied to a be e of Idaho. | eneficial use. I ur | nderstand that any | undevelo | ped portion of |
| SIC | Signature of Permit Holder M. M. Muld City Engineer Date 4-20-2020 (Include your title, if on behalf of company or organization) | | | | | |

City of Victor

Water Right Report

April 2020



By: Robert M. Heuseveldt, P.E., CFM City Engineer

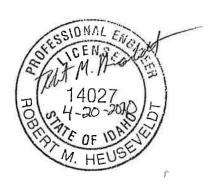


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1.0 Introduction

In accordance with the conditions of approval listed on the Permit to Appropriate Water Numbers 22-13265 and 22-13717 this report has been prepared to help assess the proof of beneficial use. The water used under this permit is intended to serve the City of Victor that is located in Teton County on the East Side of Idaho. The City of Victor Culinary Water System, hereafter referred to as the system, consists of three water sources, two storage tanks, a main booster stations, two neighborhood booster stations, 925 water meters, and several miles of distribution pipelines of various sizes. In order to assess the system, it is important to understand how the system operates. Section 2 of this report will describe each component of the system. Section 3 will explain the three different modes of operation for the system. After establishing how the system operates Section 4 will assess the volumes and flow rates or diversion rates associated with the system and each source. Section 5 will address the specific conditions of approval under the permits and give recommendations on the rates of diversion for the water right permits.

2.0 Components of the System

The system is broken down into the following categories: sources, storage tanks, and booster stations. Each of these components play a role in how the system operates in the three modes that will be discussed in Section 3 of this report. Exhibit 1 is an aerial map of the City that has each of the system components labeled for convenience and information purposes.

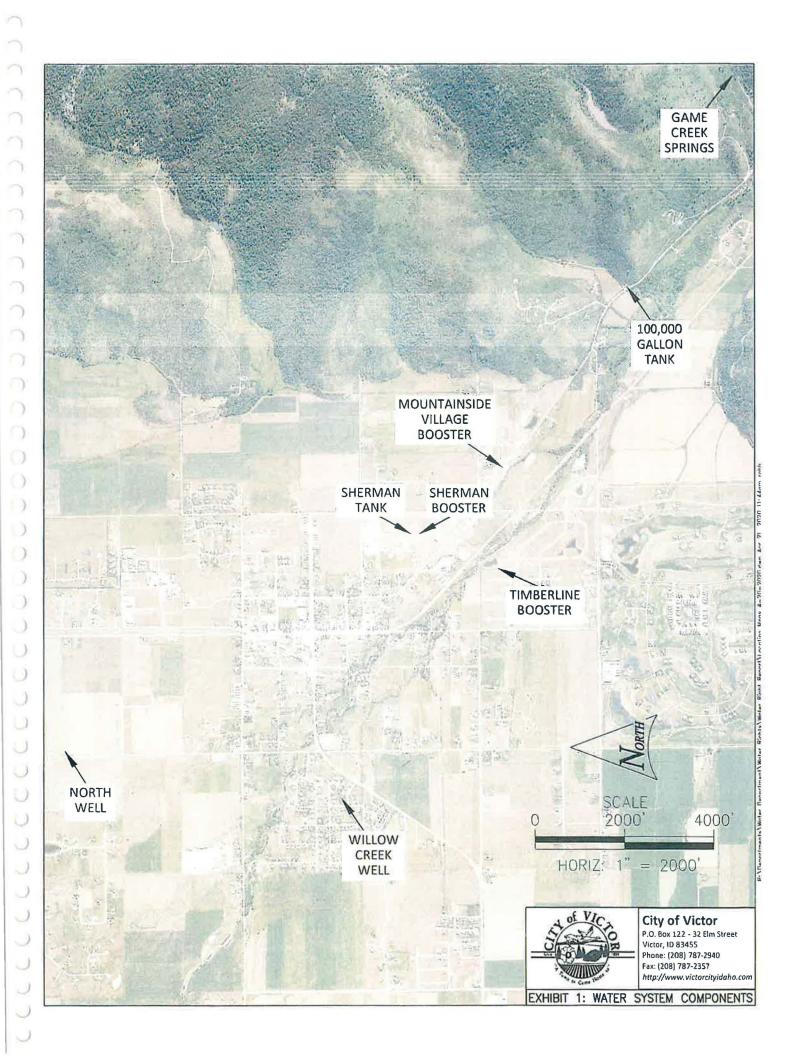
2.1 Sources

There are three sources or points of diversion that provide water to the system. The system operators refer to the sources as the Game Creek Spring, the Willow Creek Well, and the North Well. The corresponding water right and permit information for these sources is listed in Table 1 – Victor Water Right and Permit Summary.

Table 1 - Victor Water Right and Permit Summary

| Description | Water Right/Permit Number | Source | Diversion Rate (cfs) | Priority Date |
|------------------------------------|---------------------------------|---------|-------------------------|---------------|
| Game Creek Spring | 22-566 A | Springs | 1.6 | 6/1/1896 |
| Game Creek Spring (Seasonal) | 22-122 | Springs | 3.2 | 1/22/1916 |
| | | Ground | | |
| Willow Creek Well | 22-7762 | Water | 2.23 | 8/27/1993 |
| | | Ground | | |
| North Well (In Development Permit) | 22-13265 | Water | 3 | 3/12/2003 |
| | | Ground | | |
| North Well (In Development Permit) | 22-13717 | Water | 3 | 5/11/2007 |

The first source is the Game Creek Spring. It is located approximately 2.8 miles southeast of the City Center. This source supplies water to the system by gravity through a concrete spring box that feeds a 10 inch watermain that runs along the old Jackson Highway and ties directly into the distribution system.



The second source is the Willow Creek Well. This well is located approximately 0.7 miles west of the City Center. This source is isolated from the distribution system and strictly fills the Sherman Tank that is located in Sherman Park.

The third and last source is the North Well which is located on 1,000 West (Crystal Avenue) and is approximately 1.2 miles north west of the City Center. This source is connected directly to the distribution system. Currently the North well has two Permits to Appropriate Water. The numbers for these permits are listed in Table 1.

2.2 Storage Tanks

There are two storage tanks in the system. The operators refer to the storage tanks as the One Hundred Thousand Gallon Tank, and the Sherman Tank.

The One Hundred Thousand Gallon Tank is located along the 10-inch water main that comes from the Game Creek Spring. This tank is filled by the Sherman Booster or the North Well and acts as a bladder for the system. It is important to know that the spring does not fill this tank. This tank supplements the flow from the springs when the system is being fed strictly by the springs which is Operation Mode 1.

The second storage tank is the Sherman Tank. This tank is in Sherman Park and is filled through an isolated line that comes from the Willow Creek Well. It is designed to have the volume capacity of 1 Million Gallons. This tank feeds the distribution system through the Sherman Booster Station that is connected directly to the tank. It is filled through an isolated line that is connected to the Willow Creek Well.

2.3 Booster Stations

There are three booster stations in the system. The operators of the system refer to them as the Sherman Booster, the Mountainside Village Booster, and the Timberline Booster.

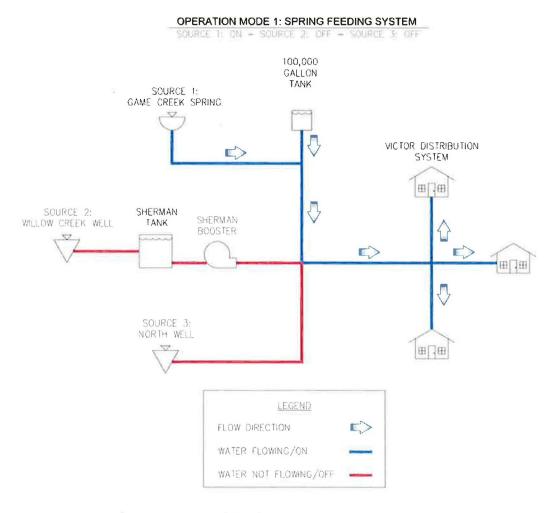
The Sherman Booster is located next to the Sherman Tank in Sherman Park. The operation of this booster station will be discussed in Section 3 of this report under Operation Mode 2.

The Mountainside Village Booster and the Timberline Booster are neighborhood or subdivision specific boosters that are located inside of their respective subdivisions. These boosters draw off the distribution system for water and not off a storage tank. For all intents and purposes these can be considered a collection of users on the system and will not be discussed further in this report.

3.0 Operation of the System

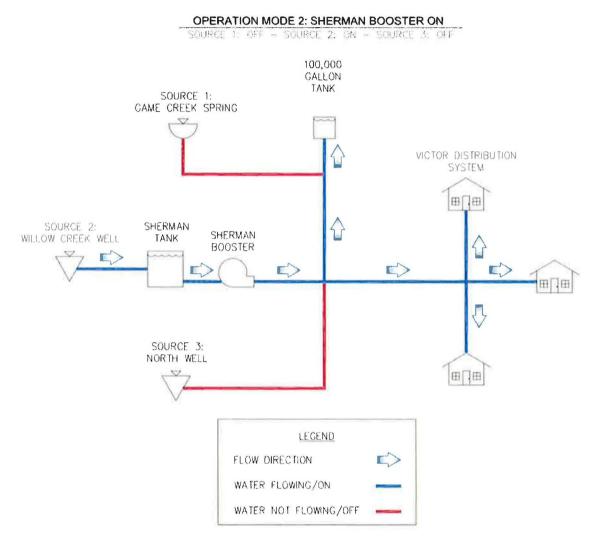
The system has three modes of operation. These shall be referred to as Operation Mode 1: Spring Feeding the System, Operation Mode 2: Sherman Booster On, and Operation Mode 3: North Well On. Each of these modes is based on logic set up in a SCADA (Supervisory Control and Data Acquisition) system. This logic will be explained in each of descriptions for the separate operation modes below. Diagrams 1 through 3 are also included for a visual explanation of the modes of operation. Please refer to the legend for the symbology of the diagrams. Each of the system components described above are labeled in the diagram. For each of the modes of operation it is important to understand what source is supplying the water, what pipelines have water running through them, and the direction of the flow.

Diagram 1 - Operation Mode 1



3.1 Operation Mode 1: Spring Feeding the System

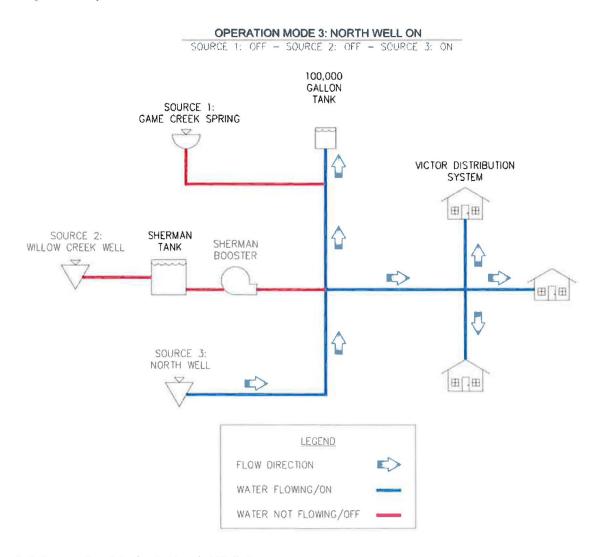
Operation Mode 1 is utilizing the water from the Game Creek Spring to feed the system; however, the system water demands are higher than what the spring can produce. In order to supplement the flow from the spring the 100,000 Gallon Tank also supplies water to the system in this mode of operation. Please note on the diagram that the flow arrows are indicating flow from both the spring and the 100,000 Storage Tank. When operating in this mode the City is being fed by a gravity system without any electric pumps to maintain pressure. It is the most efficient mode of operation. Eventually the tank level or the depth of the water in the 100,000 Gallon Tank drops as it supplements the spring. The SCADA system monitors the level in the 100,000 Gallon Tank. If the tank empties it cannot supplement the flow from the springs, and the system demands cannot be met. For this reason when it drops to a designated level the SCADA system turns on the Sherman Booster and the system begins operating in Operation Mode 2.



3.2 Operation Mode 2: Sherman Booster On

Once the level in the 100,000 Gallon Tank drops to a designated point the SCADA System turns on the Sherman Booster and begins to run the system in Operation Mode 2. In this mode, the Sherman Booster supplies the water to the system. The pumps for this booster ramp up or down to maintain a constant pressure while meeting the system demand. The Sherman Booster also pushes back against the springs and fills the 100,000 Gallon Tank. Please see the flow direction arrows indicating that the flow is coming from the booster and feeding the system while filling the 100,000 Gallon Tank. During this mode of operation, the City does not use any of the water from the springs. The source that fills the Sherman Tank in this mode of operation is Source 2 or the Willow Creek Well. The operation of this well is based on the level in the Sherman Tank. The SCADA system monitors the Sherman Tank level and turns on the Willow Creek Well to fill the tank when it drops to a designated level. The flows from the well are constant and do not vary like the booster flow. Once the tank is filled the SCADA turns the well off and the system returns to Operation Mode 1.

Diagram 3 - Operation Mode 3



3.3 Operation Mode 3: North Well On

Operation Mode 3 is very similar to Operation Mode 2. In the SCADA System the North Well and the Booster operate the same way and off the same logic; however, they take turns. When the water level in the 100,000 Gallon Tank drops to a designated point the SCADA will turn on the North Well. Only the Booster or the North Well Operate at one time. They do not operate at the same time and alternate every other cycle. The North Well has a variable frequency drive or VFD that runs the pump. This allows it to ramp up or down in order to maintain system pressures, keep up with the demand, and fill the 100,000 Gallon Tank. Please note the flow direction arrows indicating that the North Well supplies water to the system and fills the 100,000 Gallon Tank. The City does not receive any of the spring water during this mode of operation. For the purposes of this report it is important to know that the diversion rate or pumping rate for this mode of operation varies based on the demand of the system. Once the 100,000 Gallon Tank is filled the SCADA turns off the well and the system goes back to operating under Operation Mode 1.

4.0 Source Flow Rates and Volumes

The public works staff for the City of Victor collects and records flow data for the system on a regular basis. These records are then placed into spreadsheets for each month that can be used to analyze the system. The monthly flow records for the previous three years are included in Appendix A of this report. This section of the report will summarize the flows and volumes for each of the sources or points of diversion for the system.

4.1 Flow Data Source 1: Game Creek Spring

The Game Creek Spring does not have a working meter that monitors the flows. The City has a contract with a supplier to install a meter this summer. In order to monitor the production of the spring the public works department conducts flow tests at various times throughout the year. The test consists of using a container with a known volume and a stopwatch to measure how much time it takes to fill the container. The flow rate is then calculated by dividing the known volume by the amount of time it took to fill the container. This provides the staff with an estimated flow rate that the spring is producing at the time of year that the test is conducted. A summary of the flow tests is contained in Table 2 – Game Creek Spring Flow Measurements. Averages for each year are also contained at the bottom of the table. The average flow rate varies from year to year and from season to season. Chart 1 shows the trend over the past three years with the peak flow for the springs occurring between April and June which coincides with the spring runoff. The average flow rate over the last three years is 328 gpm (0.73 cfs). The peak flow over the past three years was 460 gpm (1.02 cfs).

The two water rights for the Game Creek Spring are 22-122 and 22-566 A. The diversion rates and priority dates are summarized in Table 1 included earlier in this report. Right number 22-122 is different than the other water rights because it is a seasonal water right. This means it can only be used between April 15 and October 31 of each year. During this designated time of the year this source has the water rights with an approved combined rate of diversion for 4.8 cfs. During the winter months outside of the designated season this source only has a diversion rate of 1.6 cfs. As mentioned above the use over the last three years reflects a peak instantaneous rate of diversion of 1.02 cfs. As mentioned under Section 3.1 of this report this source is utilized in Operation Mode 1 which is the most efficient method for supplying water to the system. The City will always utilize as much of this source as possible where it is the least expensive to operate because it is gravity fed and does not require any pumping. The facilities for this source, including the spring box and piping, have the capacity to handle more than the full diversion rate. It is important to note that according to the last three years of records the spring does not produce the full amount approved under the water rights. Consequently, the City must rely on the other sources to meet the demands of the system. It is suggested that the City assess different ways to better utilize this source as part of their facilities planning studies in the future.

Table 2 - Game Creek Spring Flow Measurements

| | Cal | Calendar Year | | | |
|----------------------|-------|---------------|-------|------------------|--|
| Month | 2017 | 2018 | 2019 | Average (gpm) | |
| January | 329,3 | 304.5 | 270 | 301 | |
| February | 339.5 | 299 | 280 | 306 | |
| March | 349.8 | 315.5 | 297.3 | 321 | |
| April | 360 | 332 | 314.5 | 336 | |
| May | 412 | 348.5 | 331.8 | 364 | |
| June | 460 | 365 | 349 | 391 | |
| July | 432.5 | 332 | 325 | 363 | |
| August | 405 | 299 | 311.3 | 338 | |
| September | 333 | 303 | 297.5 | 311 | |
| October | 320 | 307 | 283.8 | 304 | |
| November | 315 | 311 | 270 | 299 | |
| December | 310 | 315 | 286 | 304 | |
| Yearly Average (gpm) | 364 | 319 | 301 | 328 | |

The numbers in blue were interpolated from the measurements from the closest months.

Chart 1 - Game Creek Spring Flow

500

400

(a)

300

100

1 2 3 4 5 6 7 8 9 10 11 12

Month

2017 2018 2019

In order to calculate the volume of water that is used from this source it is important to refer to Section 3 of this report to understand the mode of operation. In summary when the system is operating in modes 2 or 3 the water from the spring is not being used. During these modes of operation the receiving box/manifold system for the spring fills up forcing the water from the spring to flow into the creek instead of the receiving pipe. Accordingly, the amount of time that the water from the spring was being utilized by the system was estimated by subtracting out the time that the system was operating in modes 2 and 3. The time that the system was operating in modes 2 and 3 was taken from the pump hours for the North Well and the Sherman Booster. The resulting amount of time that the water was

being used from the spring was multiplied by the average flow rates from above to obtain the estimated volume of water that was used from the Game Creek Spring. Table 3 summarized the results of the volume calculations for the game creek springs over the past 3 years. The volume varied from 109 million gallons to 163 million gallons. Chart 2 reveals the same trend is true for the volume of water used as it is for the flow rate at the springs as shown in Chart 1. The peak months occur between April and June during spring runoff.

Table 3 - Game Creek Spring - Volume of Water used by the System (gal)

| Month | | Year | | | | |
|-----------|-------------|-------------|-------------|--|--|--|
| Month | 2017 | 2018 | 2019 | | | |
| January | 11,914,074 | 11,857,230 | 9,687,600 | | | |
| February | 11,970,504 | 10,799,880 | 8,988,000 | | | |
| March | 14,082,948 | 12,153,060 | 9,757,386 | | | |
| April | 13,219,200 | 12,669,120 | 11,737,140 | | | |
| May | 17,254,560 | 14,950,650 | 12,800,844 | | | |
| June | 16,753,200 | 12,088,800 | 10,490,940 | | | |
| July | 14,246,550 | 9,940,080 | 8,385,000 | | | |
| August | 14,239,800 | 8,754,720 | 6,537,300 | | | |
| September | 11,468,520 | 7,871,940 | 4,605,300 | | | |
| October | 13,017,600 | 11,880,900 | 9,450,540 | | | |
| November | 12,776,400 | 11,419,920 | 7,176,600 | | | |
| December | 11,922,600 | 10,017,000 | 9,352,200 | | | |
| Total | 162,865,956 | 134,403,300 | 108,968,850 | | | |

Chart 2 - Game Creek Spring Volumes



4.2 Flow Data Source 2: Willow Creek Well

As mentioned previously in Section 3 the Willow Creek Well is the only source that provides water for the Sherman Tank and Booster. There is an isolated water pipeline that runs from this well to the tank. The flow rate is constant for the Willow Creek Well; therefore, the flow rate can be calculated by measuring how long it takes the well to fill a set volume in the Sherman tank. The Sherman Tank is a cylindrical concrete tank. According to the record drawings the inside diameter of the tank is 108 feet. The SCADA System is set to turn the Willow Creek Well on when the Sherman Tank is at 10.5 feet. The well then fills the tank until it reaches a depth of 14.5 feet at which point the SCADA System turns the Willow Creek Well off. The total depth that is filled during each cycle is 4 feet. The resulting volume that was filled by the Willow Creek Well was 274,097 gallons. The time it took to fill the tank was measured while the system was operating in modes 1 or 3 to ensure that the Sherman Booster was not drawing water from the tank. This would allow for an accurate measurement. The time it took the Willow Creek Well to fill the Sherman Tank was 265 minutes on average. Next, the average pump rate was calculated by dividing the total volume filled by the time it took to fill. The resulting pump rate was approximately 1,034 gpm or 2.3 cfs.

The water right associated with the Willow Creek well is Number 22-7762 as summarized in Table 1. The diversion rate on the water right is 2.23 cfs. The Willow Creek Well utilizes the full water right on a consistent basis.

In order to obtain the volume of water that the Willow Creek Well provides to the system the Sherman Booster flow records were used. The booster is the pump station that draws from the tank to feed the system. Table 4 reflects the total volume that was provided by the Willow Creek Well via the Sherman Tank and Booster over the past three years. Chart 3 shows the trend of the monthly volumes. The peak months for the Willow Creek Well Volumes were June through September with July being the highest.

Table 4 – Willow Creek Well – Volume of Water used by the System (gal)

| Month | Year | | | | |
|-----------|------------|------------|------------|--|--|
| Month | 2017 | 2018 | 2019 | | |
| January | 5,619,000 | 4,137,000 | 7,900,000 | | |
| February | 4,375,000 | 3,795,000 | 8,269,000 | | |
| March | 4,119,000 | 4,178,000 | 7,410,000 | | |
| April | 860,000 | 3,550,000 | 7,119,000 | | |
| May | 1,374,000 | 2,085,000 | 4,251,000 | | |
| June | 6,665,000 | 6,691,000 | 7,090,000 | | |
| July | 9,391,000 | 13,062,000 | 17,746,000 | | |
| August | 9,671,000 | 12,919,000 | 9,509,000 | | |
| September | 7,318,000 | 11,779,000 | 4,030,000 | | |
| October | 2,443,000 | 6,734,000 | 3,879,000 | | |
| November | 2,367,000 | 5,685,000 | 3,554,000 | | |
| December | 3,011,000 | 5,955,000 | 3,909,000 | | |
| Total | 57,213,000 | 80,570,000 | 84,666,000 | | |

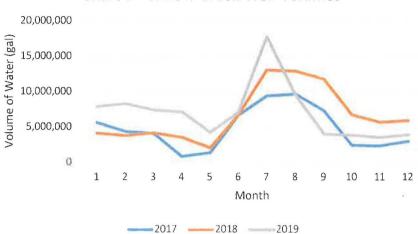


Chart 3 - Willow Creek Well Volumes

4.3 Flow Data Source 3: North Well

The North Well was incorporated into the system in August of 2019. It operates on a similar level as the Sherman Booster as explained in Section 3 of this report. The challenge with the flow data for the North Well lies in the fact that the City does not have a full year of data. It is important to see how the flows vary through the peak months of June through September. The North well is also different from the Willow Creek Well because it is tied directly into the system and its flows vary based upon the system demand and pressures. According to the Record Drawings for the North Well the 300 Horsepower Pump was designed to pump at the rate of 2,100 gpm or 4.68 cfs to meet fire flow requirements. Municipalities are required to meet the maximum daily demand plus fire flow requirements or 1,500 gallons per minute for a minimum of two hours. During the development period of the well staff ran the pump at 3,000 gallons per minute as a test without any problems. Normal operation levels will not reach that pumping rate, but the system was designed to that capacity.

The average pumping rate for the north well was calculated by dividing the total volume that was pumped by the number of hours that the pump was in operation. Table 5 reflects the pumping rates from August of 2019 through December of 2019. The average pump rate during this time period was found to be 607 gpm.

The permits associated with the North well are numbers 22-13265 and 22-13717. The diversion rate for each of the two permits is 3.0 cfs or a total of 6.0 cfs. The conditions of approval under both permits will be addressed in Section 5 of this report.

Table 5 - North Well Pump Rate Data

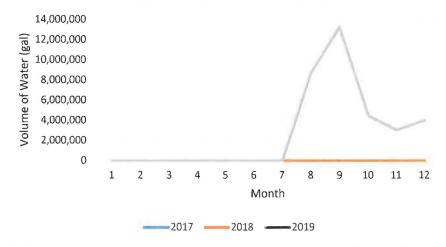
| Month | Volume Pumped (gal) | Pump Hours | Average Pumping Rate (gpm) |
|-----------|------------------------|---------------|-------------------------------|
| August | 8,702,400 | 228 | 636 |
| September | 13,260,096 | 352 | 628 |
| October | 4,464,191 | 125 | 595 |
| November | 3,044,499 | 86 | 590 |
| December | 3,982,332 | 113 | 587 |
| | Average Pump Ra | ate (gpm) | 607 |

The volumes for the North Well have been summarized in Table 6. The North Well was placed into operation in August of 2019. The trend has been plotted in Chart 4. There was a bit of a peak during the month of September due to work being done on the Willow Creek Well. During this work the system only operated in modes 1 and 3.

Table 6 - North Well - Volume of Water used by the System (gal)

| Month | Year |
|-----------|------------|
| Month | 2019 |
| August | 8,702,400 |
| September | 13,260,096 |
| October | 4,464,191 |
| November | 3,044,499 |
| December | 3,982,332 |
| Total | 33,453,518 |

Chart 4 - North Well Volumes



5.0 Conditions of Approval for Permit Numbers 22-13265 and 22-13717

Condition of Approval Number 6 under Permit Number 22-13265 and Condition of Approval 8 under Permit Number 22-13717 states the following:

"In connection with the proof of beneficial use submitted for this permit the permit holder shall also submit a report showing the total annual volume, the maximum daily volume, and the maximum instantaneous rate of flow diverted from the point of diversion authorized for this permit during the development period. The report shall also show the maximum instantaneous rate of diversion, either measured or reasonably estimated by a qualified professional engineer, geologist, or certified water rights examiner, for the entire City of Victor municipal water system. The report shall also describe and explain how water diverted under this permit provides an additional increment of beneficial use of water for the City of Victor municipal water system as opposed to an alternative point of diversion for prior water rights already held and used by the City of Victor for its municipal water system."

Sections 5.1 through 5.3 will address this condition while Section 5.4 will show the number of Equivalent Residential Connections (ERU's) that the City has an the growth that the system has experienced.

5.1 North Well – Total Annual Volume, Maximum Daily Volume and the Maximum Instantaneous Rate of Flow.

The total annual volume for the North well is going to be estimated based off of other system components where the City does not have a full year of records at this time. As explained in Section 3 of this report the North Well and the Sherman Booster operate similar in the system and alternate ever other cycle with each other. As such the volumes for the Sherman Booster and the North Well will be compared and used to make estimates for the required volumes and diversion rates. Table 7 lists the total volumes that were pumped when both the Sherman Booster and the North Well were online and working. The City does have flow records from August, but the North Well was not functioning the entire month; therefore, the totals will not be included in this table. In September there was work being completed on the Willow Creek Well which resulted in the Sherman Booster not running; therefore, the totals for September will not be included either. Table 7 reflects the months from October of 2019 through March of 2020. The resulting percentages are as follows: the Sherman Booster accounted for 49% of the total pumped volume, and the North Well accounted for 51% of the total pumped volume.

Table 7 - Total Volume Pumped Comparison between the Sherman Booster and the North Well

| Month | Sherman Booster Gallons Pumped | North Well Gallons Pumped | Total Gallons Pumped into System | Sherman Booster Percentage of Total | North Well Percentage of Total |
|--------|--------------------------------------|---------------------------------|--|--|--------------------------------------|
| Oct-19 | 3,879,000 | 4,464,191 | 8,343,191 | 46% | 54% |
| Nov-19 | 3,554,000 | 3,044,499 | 6,598,499 | 54% | 46% |
| Dec-19 | 3,909,000 | 3,982,332 | 7,891,332 | 50% | 50% |
| Jan-20 | 3,458,000 | 4,097,325 | 7,555,325 | 46% | 54% |
| Feb-20 | 3,477,000 | 3,624,530 | 7,101,530 | 49% | 51% |
| Mar-20 | 4,608,000 | 5,018,496 | 9,626,496 | 48% | 52% |
| Totals | 22,885,000 | 24,231,373 | 47,116,373 | 49% | 51% |

Table 8 reflects a summary of the total volumes that were pumped by the system excluding any volumes provided by the springs or mode 1 of operation. The percentage calculated in Table 7 was then applied to the total volume pumped during 2019. The resulting estimated **Total Annual Volume** for the North Well was **63,918,454 gallons**.

Table 8 – Summary of Total Volumes Pumped

| System Totals for Water Pumped (Excluding Spr | ing Totals) |
|---|-------------|
| Total Volume Pumped (gal) | 118,119,518 |
| Number of Days Measured | 344 |
| Average Annual Daily Volume (gal) | 343,371 |
| Total Estimated Annual Volume (gal) | 125,330,303 |
| Recorded Max Daily Volume - July (gal) | 627,000.0 |
| Calculated Max Daily Volume Peaking Factor | 1.8 |
| North Well Estimated Totals | |
| Percentage of North Well | 51% |
| Total Estimated North Well Annual Volume (gal) | 63,918,454 |
| Total Estimated Average Annual Daily Volume (gal) | 175,119 |
| Max Daily Volume Peaking Factor from Above | 1.8 |
| Estimated Max Daily Volume (gal) | 315,214 |

The recorded numbers for 2019 were then reviewed, and the maximum daily volume pumped occurred on July 24th. This number was then compared to the Annual Average Daily Volume of gallons pumped in the system to establish a peaking factor of 1.8. The peaking factor was then applied to Estimated Annual Average Daily Volume pumped by the North Well. The resulting estimated **Max Daily Volume** that will be pumped by the North Well is **315,214 gallons**.

In order to find the Max Instantaneous rate of flow diverted from the North Well, without having a full year of data, the comparison with the Sherman Booster will be used once again. As discussed in Section 3 of this report the Sherman Booster and the North Well alternate and operate the same way. The assumption made here is that the system demands during the peak instantaneous event will be the same or met by either the North Well or by the Sherman Booster. Hence, the peak instantaneous rate of flow should be the same for the North Well and the Sherman Booster. The records show that the peak day for 2019 was July 24th. During this day both of the pumps at the Sherman Booster ran parallel in order to meet the system demands; therefore, the pump hours overlap, and an average was used. When booster pumps run in parallel you can calculate the flow by combining the flows from each pump. Table 9 summarizes the data from the peak day. The resulting peak day pump rate was 1,397 for the Sherman Booster. The estimated Max Instantaneous Rate of Flow Diverted from the North Well is 1,400 gpm or 3.1 cfs. This flow rate does not reflect any fire flow. The fire flow requirement for the City is to meet the Peak Daily Demand of 825 gpm plus supply the fire flow of 1,500 gpm. The resulting required diversion rate to meet fire flow requirements is 2,325 gpm or 5.18 cfs.

Table 9 - Peak Day - Sherman Booster Data

| Description | Pump 1 | Pump 2 | Totals/Average |
|--------------------------|---------|---------|----------------|
| Pump Hours* | 8 | 7 | 7.5 |
| Pump Volume (gal) | 321,000 | 306,000 | 627,000 |
| Peak Day Pump Rate (gpm) | 669 | 729 | 1,397 |

5.2 Maximum Instantaneous Rate of Diversion for the entire City of Victor Municipal Water System

The demands for the entire water system are summarized in the following Table 10. In order to calculate the Max Instantaneous Rate of Diversion for the entire City it is important to revisit the operation modes of the system to see what sources could be supplying water at the same time. The scenario that diverts the most water at a given time would be when the North Well and the Willow Creek Well are operating at the same time. For example, the system could be running at peak demand times in Operation Mode 3, the North Well meeting the system demands, while at the same time the Willow Creek Well could be filling the Sherman Tank. The Game Creek Springs would be in overflow mode and would not be contributing to the total amount of water diverted. Under this scenario the Max Instantaneous Rate of Diversion would be the sum of the diversion rate of the Willow Creek Well or 1,034 gpm and Max Instantaneous Rate of Diversion for the North Well or 1,400 gpm. The resulting sum is 2,434 gpm (5.4 cfs).

Table 10 - System Demands for the City of Victor Municipal Water System.

| System Demand | Amount |
|---|-----------|
| Annual Average Daily Demand (gpd) | 660,141 |
| Average Annual Daily Demand (gpm) | 458 |
| Number of ERU's in 2019 | 1,140 |
| Average Monthly Usage per ERU (gal per month) | 17,613 |
| Max Daily Demand Peaking Factor | 1.8 |
| Max Daily Demand (gpd) | 1,188,253 |
| Max Daily Demand (gpm) | 825 |
| Max Instantaneous Hour Flow Peaking Factor | 3.1 |
| Max Instantaneous Hour Flow (gpm) | 1,421 |
| Fire Flow Demand | Amount |
| Fire Flow Requirment (gpm) | 1,500 |
| Peak Daily Demand + Fire Flow (gpm) | 2,325 |
| Peak Daily Demand + Fire Flow (cfs) | 5.18 |

This does not take into account the fire flow requirement that the City has to meet. These requirements were mentioned in Section 5.1. Factoring in the fire flow requirements into a different scenario is summarized as follows: The North Well meets the fire flow requirements of 2,325 gpm while the Willow Creek Well Fills the Sherman Tank at 1,034 gpm. **Under this scenario the Max Instantaneous Rate of Diversion for the entire system would be 3,359 gpm (7.5 cfs).**

Another item that is important to address with regards to Table 10 is the Average Usage per ERU. The reason for this number being high is that the City has a large number of users on the original water system that have to run water in the wintertime to prevent freezing. This winter usage runs from October through the end of March. The municipal water system also supplies water to the residents as a backup irrigation source. In accordance with Condition of Approval 12 under Number 22-13717 and 9 under Number 22-13265 the residents utilize the water from Trail Creek Sprinkler company first. Only when these surface waters are not available and are called for by senior water right holder do the residents turn on the municipal water as a backup. The cost for using the City of Victor culinary water is substantially higher than the cost for the Trail Creek Sprinkler irrigation water. This helps the City to strongly encourage the use of the irrigation water first and only using the culinary water as a backup.

5.3 Providing an Additional Increment of Beneficial Use

It is recommended that the rates of diversion be adjusted on the water rights to reflect the actual system demands including fire flow requirements. Currently both water rights 22-13265 and 22-13717 have a rate of diversion of 3.0 cfs respectively. The combined rate of diversion of 6.0 cfs is not necessary at this time. It is recommended that the senior water right or permit number 22-13265 utilize the full diversion rate of 3.0 cfs. It is further recommended that the rate of diversion listed under permit number 22-13717 be adjusted to 2.18 cfs. The combined total diversion rate of 5.18 cfs is the flow rate that meets the peak daily demand plus fire flow requirements. This provides the City with an additional increment of beneficial use by providing a backup source with rights to provide flows during a fire event if the Sherman Tank or Booster is not operating or being repaired.

Having this source and the associated water rights also allows the Willow Creek Well to run at the same time as the other sources. This was the scenario that was discussed in Sections 3 and 5.2 of this report. Staff reviewed the Scada system and found that during the development period the system did often operate in mode 3, with the North Well providing water to the system under 22-13265 and 22-13717, while at the same time the Sherman Tank was being filled by the Willow Creek well under permit number 22-7762. As such the water right for the Willow Creek Well or 22-7762 could not be used at the North Well location or an alternate point of diversion while it is being used at its designated point of diversion already.

5.4 City of Victor ERU Breakdown

Table 11 summarizes by the total number of ERU's by month and year according to the billing software. Over the past three years the City has experienced an average of a 4.3% growth in the number of ERU's. Since 2007 The City has received an additional 464.4 ERU's according to Building Permit Records. The breakdown of these connections is 108.4 ERU's for commercial properties and 356 for residential properties.

Table 11 - City of Victor ERU Breakdown

| Month | | Year | | | |
|-----------|-------|-------|-------|--|--|
| Month | 2017 | 2018 | 2019 | | |
| January | 1,005 | 1,035 | 1,131 | | |
| February | 1,006 | 1,035 | 1,131 | | |
| March | 1,006 | 1,036 | 1,135 | | |
| April | 1,008 | 1,036 | 1,140 | | |
| May | 1,015 | 1,045 | 1,140 | | |
| June | 1,017 | 1,059 | 1,140 | | |
| July | 1,018 | 1,098 | 1,140 | | |
| August | 1,019 | 1,101 | 1,140 | | |
| September | 1,020 | 1,103 | 1,140 | | |
| October | 1,020 | 1,107 | 1,140 | | |
| November | 1,020 | 1,129 | 1,140 | | |
| December | 1,020 | 1,130 | 1,140 | | |

6.0 Conclusion

In conclusion this report was created to provide information requested in the conditions of approval listed on the Permit to Appropriate Water Numbers 22-13265 and 22-13717. It described each component of the system and explained the modes of operation. After establishing how the system functions the flow data from each source was shared. Then in Section 5 the report lists the specific items requested as conditions of approval under the permits along with information requested by IDWR staff. In summary this report recommends that the rates of diversion be approved for permit number 22-13265 and modified to 2.18 cfs for permit number 22-13717.

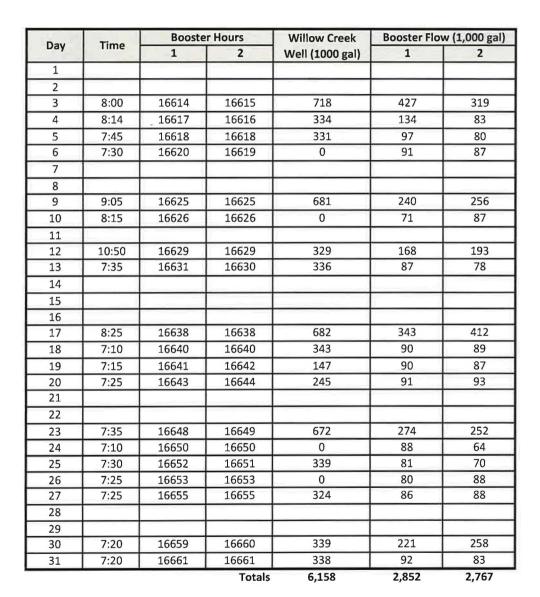
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0

0

Month:

Jan-17





| Days Measured | |
|---------------|--|
| 29 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 329 | |

| Estimated Time of Use of Spring (hrs) | |
|---------------------------------------|--|
| 603 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 11,914,074 |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 47 | 46 |

| Monthly Amou | Monthly Amount Pumped (gal) | |
|--------------|-----------------------------|--|
| Pump 1 | Pump 2 | |
| 2,852,000 | 2,767,000 | |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 1,011 | 1,003 |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 5,619,000 | |
| Spring Total (gal) | 11,914,074 | |
| Monthly Total | 17,533,074 | |
| Average Daily Total | 604,589 | |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 6,158,000 |

Month: Feb-17

| Day | Time | Booste | r Hours | Willow Creek | Booster Flor | w (1,000 ga |
|-----|-------|--------|---------|-----------------|--------------|-------------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | 7:20 | 16663 | 16663 | 315 | 90 | 80 |
| 2 | 7:25 | 16664 | 16665 | 18 | 89 | 80 |
| 3 | 10:55 | 16666 | 16666 | 329 | 86 | 88 |
| 4 | | | | | | |
| 5 | | - | | | | |
| 6 | 7:30 | 16671 | 16671 | 338 | 248 | 224 |
| 7 | 10:45 | 16673 | 16673 | 331 | 82 | 129 |
| 8 | 7:05 | 10714 | 16674 | 0 | 0 | 84 |
| 9 | 7:20 | 16675 | 16676 | 333 | 53 | 85 |
| 10 | 7:15 | 16677 | 16678 | 0 | 80 | 80 |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | 7:25 | 16681 | 16682 | 661 | 217 | 212 |
| 14 | 7:25 | 16683 | 16683 | 0 | 91 | 79 |
| 15 | 7:30 | 16685 | 16685 | 330 | 87 | 82 |
| 16 | 7:25 | 16686 | 16686 | 0 | 80 | 52 |
| 17 | 7:20 | 16688 | 16687 | 335 | 81 | 88 |
| 18 | | | | | | |
| 19 | | | | | - | |
| 20 | | | | | | |
| 21 | 7:15 | 16694 | 16694 | 660 | 310 | 342 |
| 22 | 7:14 | 16695 | 16695 | 334 | 82 | 43 |
| 23 | 7:15 | 16697 | 16697 | 0 | 84 | 88 |
| 24 | 7:25 | 16698 | 16699 | 334 | 44 | 82 |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | 7:15 | 16703 | 16703 | 335 | 268 | 217 |
| 28 | 7:15 | 16705 | 16705 | 344 | 82 | 86 |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| | | | Totals | 4,997 | 2,154 | 2,221 |



| Days Measured | |
|---------------|--|
| 28 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 339 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 588 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 11,970,504 |

| Monthly | Pump Hours |
|---------|------------|
| Pump 1 | Pump 2 |
| 42 | 42 |

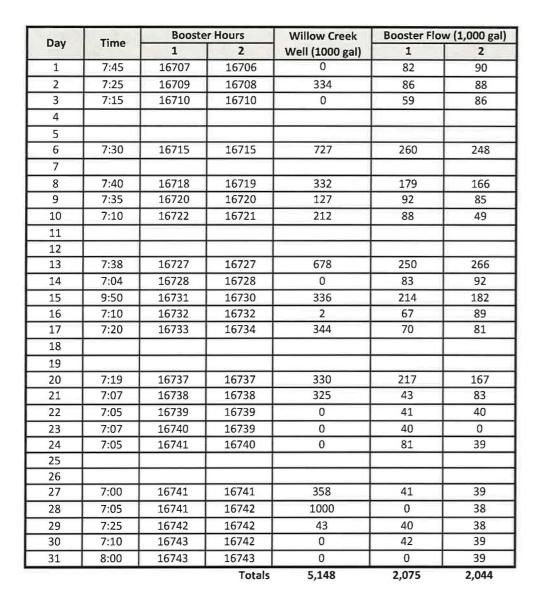
| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 2,154,000 | 2,221,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 855 | 881 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 4,375,000 |
| Spring Total (gal) | 11,970,504 |
| Monthly Total | 16,345,504 |
| Average Daily Total | 583,768 |

| Amount Pumped from Willow Creek Well |
|---|
| 4,997,000 |

Month: Mar-17





| Days Measured | |
|---------------|--|
| 31 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 350 | |

| Estimated Time of Use of Spring (hrs) | |
|---------------------------------------|--|
| 671 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 14,082,948 |

| Monthly F | onthly Pump Hours | |
|-----------|-------------------|--|
| Pump 1 | Pump 2 | |
| 36 | 37 | |

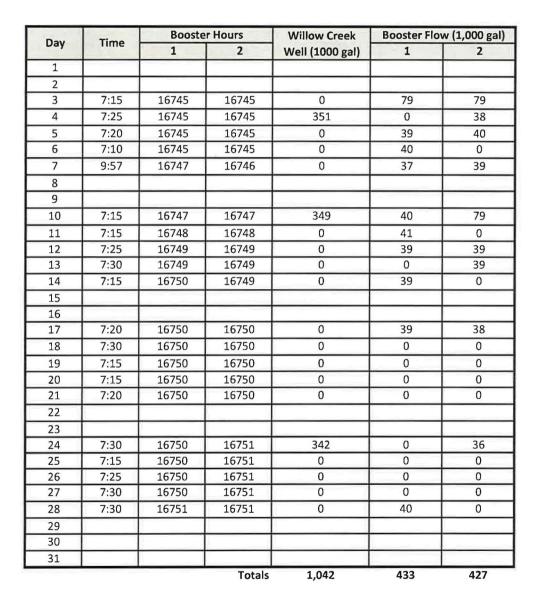
| Monthly Amou | ount Pumped (gal) | |
|--------------|-------------------|--|
| Pump 1 | Pump 2 | |
| 2,075,000 | 2,044,000 | |

| Average Pump | Average Pumping Rate (gpm) | |
|--------------|----------------------------|--|
| Pump 1 | Pump 2 | |
| 961 | 921 | |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 4,119,000 |
| Spring Total (gal) | 14,082,948 |
| Monthly Total | 18,201,948 |
| Average Daily Total | 587,160 |

| Amount Pumped from Willow Creek Well | |
|--------------------------------------|--|
| 5,148,000 | |

Month: Apr-17





| Days Measured | |
|---------------|--|
| 26 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 360 | |

| Ú | Estimated Time of Use of Spring (hrs) |
|---|---------------------------------------|
| | 612 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 13,219,200 |

| Monthly Pump Hours | |
|--------------------|--------|
| Pump 1 | Pump 2 |
| 6 | 6 |

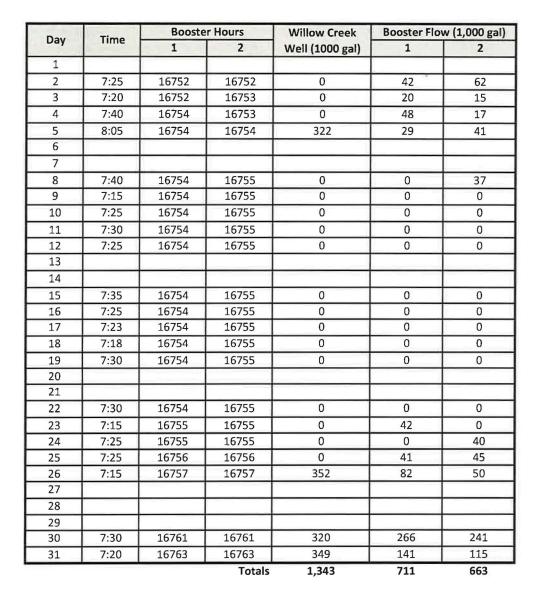
| Monthly Amount Pumped (gal) | |
|-----------------------------|---------|
| Pump 1 | Pump 2 |
| 433,000 | 427,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 1,203 | 1,186 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 860,000 |
| Spring Total (gal) | 13,219,200 |
| Monthly Total | 14,079,200 |
| Average Daily Total | 541,508 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 1,042,000 |

Month: May-17





| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 412 | |

| Estimated | Time of Use of Spring (hrs) |
|-----------|-----------------------------|
| | 698 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 17,254,560 |

| Monthly I | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 11 | 11 |

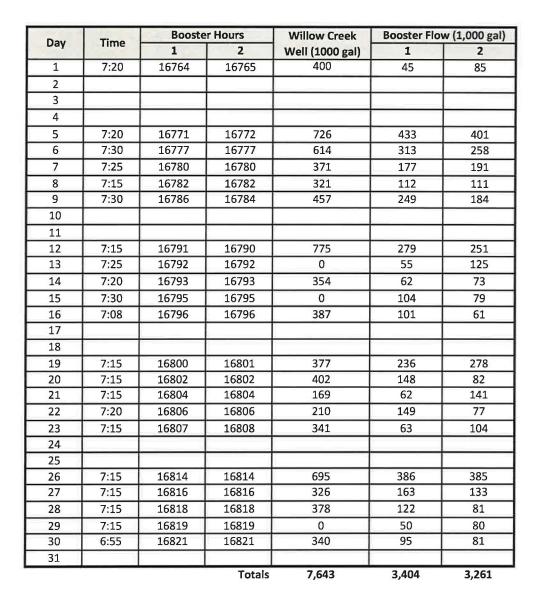
| Monthly Amo | ount Pumped (gal) |
|-------------|-------------------|
| Pump 1 | Pump 2 |
| 711,000 | 663,000 |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 1,077 | 1,005 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 1,374,000 |
| Spring Total (gal) | 17,254,560 |
| Monthly Total | 18,628,560 |
| Average Daily Total | 620,952 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 1,343,000 |

Month: Jun-17





| Days Measured | 1115 |
|---------------|------|
| 30 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 460 | |

| Estimated Time of Use of Spring (hrs) | |
|---------------------------------------|--|
| 607 | |

| Approximate N | Monthly Spring Flow (gal) |
|---------------|---------------------------|
| | 16,753,200 |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 57 | 56 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 3,404,000 | 3,261,000 |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 995 | 971 |

| Monthly Average Daily Use (Gal) | | | |
|---------------------------------|------------|--|--|
| Booster Total (gal) | 6,665,000 | | |
| Spring Total (gal) | 16,753,200 | | |
| Monthly Total | 23,418,200 | | |
| Average Daily Total | 780,607 | | |

| Amount Pumped | from Willow Creek Well |
|---------------|------------------------|
| 7 | ,643,000 |

Month:

Jul-17

| | Time | Dooste | r Hours | Willow Creek | Creek Booster Flow | |
|-----|------|--------|---------|-----------------|--------------------|-----|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | 7:20 | 16826 | 16825 | 510 | 329 | 259 |
| 4 | 7:10 | 16829 | 16829 | 651 | 239 | 227 |
| 5 | | | | | | |
| 6 | 7:15 | 16833 | 16832 | 386 | 203 | 192 |
| 7 | 7:10 | 16835 | 16835 | 377 | 120 | 167 |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | 7:20 | 16843 | 16843 | 855 | 455 | 454 |
| 11 | 7:30 | 16846 | 16846 | 386 | 204 | 152 |
| 12 | 5:10 | 16851 | 16851 | 754 | 278 | 323 |
| 13 | 7:20 | 16854 | 16854 | 402 | 146 | 190 |
| 14 | 7:10 | 16856 | 16857 | 462 | 161 | 160 |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | 7:39 | 16864 | 16863 | 735 | 490 | 358 |
| 18 | 7:20 | 16869 | 16869 | 867 | 313 | 340 |
| 19 | 7:35 | 16872 | 16872 | 193 | 164 | 164 |
| 20 | 7:10 | 16875 | 16875 | 455 | 186 | 181 |
| 21 | 7:17 | 16878 | 16878 | 376 | 184 | 162 |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | 7:16 | 16884 | 16885 | 1179 | 412 | 425 |
| 25 | 7:20 | 16887 | 16887 | 276 | 170 | 168 |
| 26 | | 16890 | 16889 | 103 | 157 | 88 |
| 27 | 7:15 | 16891 | 16891 | 317 | 92 | 138 |
| 28 | 7:18 | 16894 | 16893 | 406 | 143 | 86 |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | 7:20 | 16899 | 16899 | 796 | 325 | 386 |



| Days Measured | |
|---------------|--|
| 29 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|---|
| 433 | j |

| Estimated Time of Use of | of Spring (hrs) |
|--------------------------|-----------------|
| 549 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 14,246,550 |

| Monthly Pump Hours | | |
|--------------------|--------|--|
| Pump 1 | Pump 2 | |
| 73 | 74 | |

| Monthly Amount Pumped (gal) | | |
|-----------------------------|-----------|--|
| Pump 1 | Pump 2 | |
| 4,771,000 | 4,620,000 | |

| Average Pumping Rate (gpm) | | |
|----------------------------|--------|--|
| Pump 1 | Pump 2 | |
| 1,089 | 1,041 | |

| Monthly Average Daily Use (Gal) | | | | |
|---------------------------------|------------|--|--|--|
| Booster Total (gal) | 9,391,000 | | | |
| Spring Total (gal) | 14,246,550 | | | |
| Monthly Total | 23,637,550 | | | |
| Average Daily Total | 815,088 | | | |

| Am | ount Pumped from Willow Creek Well |
|----|------------------------------------|
| | 10,486,000 |

Month: Aug-17

| Day | Time | Booster Hours | | Willow Creek | Booster Flow (1,000 ga | |
|-----|------|---------------|--------|-----------------|---------------------------------------|-------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | 8:02 | 16901 | 16902 | 325 | 145 | 151 |
| 2 | 7:35 | 16907 | 16907 | 632 | 338 | 276 |
| 3 | 7:25 | 16909 | 16909 | 404 | 164 | 144 |
| 4 | 7:10 | 16912 | 16912 | 323 | 147 | 144 |
| 5 | | | | | | |
| 6 | | | | | , , , , , , , , , , , , , , , , , , , | |
| 7 | 7:30 | 16918 | 16919 | 744 | 431 | 434 |
| 8 | 7:25 | 16921 | 16921 | 418 | 169 | 163 |
| 9 | 7:10 | 16923 | 16923 | 424 | 142 | 92 |
| 10 | 7:35 | 16924 | 16925 | 0 | 88 | 146 |
| 11 | 7:30 | 16927 | 16927 | 362 | 153 | 84 |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | 7:15 | 16937 | 16936 | 1197 | 558 | 527 |
| 16 | 7:35 | 16939 | 16938 | 318 | 149 | 126 |
| 17 | 7:30 | 16941 | 16941 | 421 | 150 | 186 |
| 18 | 7:25 | 16943 | 16944 | 399 | 134 | 170 |
| 19 | 7:30 | 16948 | 16948 | 509 | 257 | 223 |
| 20 | 8:20 | 16951 | 16951 | 413 | 180 | 163 |
| 21 | 7:30 | 16954 | 16953 | 376 | 169 | 122 |
| 22 | 7:35 | 16956 | 16955 | 17 | 128 | 134 |
| 23 | 7:30 | 16958 | 16958 | 407 | 120 | 170 |
| 24 | 7:40 | 16960 | 16960 | 363 | 124 | 105 |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | 7:20 | 16967 | 16967 | 820 | 448 | 448 |
| 29 | 7:20 | 16972 | 16972 | 927 | 300 | 297 |
| 30 | 7:40 | 16978 | 16978 | 509 | 280 | 295 |
| 31 | 7:25 | 16981 | 16980 | 391 | 179 | 118 |
| | | " | Totals | 10,699 | 4,953 | 4,718 |



| Days Measured | |
|---------------|--|
| 31 | |

| Average Flow from Spring (gpm) | | |
|--------------------------------|--|--|
| 405 | | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 586 |

| Approximate Monthly Spring Flow (gal) | | |
|---------------------------------------|--|--|
| 14,239,800 | | |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 80 | 78 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 4,953,000 | 4,718,000 |

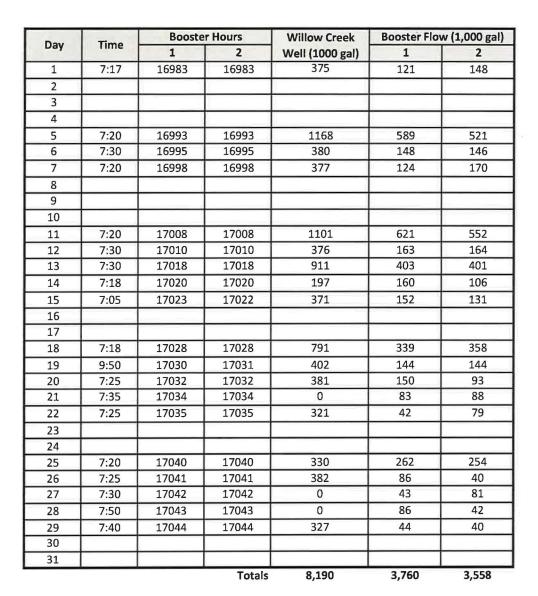
| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 1,032 | 1,008 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 9,671,000 |
| Spring Total (gal) | 14,239,800 |
| Monthly Total | 23,910,800 |
| Average Daily Total | 771,316 |

| H | Amount Pumped from Willow Creek Well |
|---|--------------------------------------|
| | 10,699,000 |

Month:

Sep-17





| Days Measured | 4- 7-7- |
|---------------|---------|
| 29 | |

| Average Flow from Spring (gpm) |
|--------------------------------|
| 333 |

| Estimated Time of Use of Spring (hrs) | |
|---------------------------------------|--|
| 574 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 11,468,520 |

| Monthly | Pump Hours |
|---------|------------|
| Pump 1 | Pump 2 |
| 61 | 61 |

| Monthly Amou | unt Pumped (gal) |
|--------------|------------------|
| Pump 1 | Pump 2 |
| 3,760,000 | 3,558,000 |

| Average Pumping Rate (gpm) | |
|----------------------------|--------|
| Pump 1 | Pump 2 |
| 1,027 | 972 |

| Monthly Average Daily Use (Gal) | | | |
|---------------------------------|------------|--|--|
| Booster Total (gal) | 7,318,000 | | |
| Spring Total (gal) | 11,468,520 | | |
| Monthly Total | 18,786,520 | | |
| Average Daily Total | 647,811 | | |

| | Amount Pumped from Willow Creek Well |
|---|--------------------------------------|
| _ | 8.190.000 |

Month:

Oct-17

| Day | Time | Booster Hours | | Willow Creek | Booster Flow (1,000 gal | |
|-----|------|---------------|--------|-----------------|-------------------------|-------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | | | | | | |
| 2 | 7:25 | 17046 | 17047 | 319 | 126 | 165 |
| 3 | 7:20 | 17048 | 17048 | 0 | 81 | 41 |
| 4 | 7:27 | 17049 | 17049 | 321 | 47 | 38 |
| 5 | 7:35 | 17049 | 17049 | 0 | 46 | 40 |
| 6 | 7:30 | 17050 | 17050 | 0 | 40 | 40 |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | 7:45 | 17053 | 17053 | 319 | 162 | 159 |
| 11 | 7:30 | 17054 | 17054 | 314 | 41 | 42 |
| 12 | 7:30 | 17055 | 17055 | 0 | 41 | 41 |
| 13 | 7:45 | 17056 | 17056 | 0 | 39 | 38 |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | 7:35 | 17058 | 17059 | 357 | 124 | 157 |
| 18 | 7:30 | 17059 | 17059 | 0 | 40 | 0 |
| 19 | 7:15 | 17060 | 17060 | 0 | 42 | 41 |
| 20 | 7:25 | 17060 | 17060 | 355 | 41 | 40 |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | 7:30 | 17063 | 17062 | 0 | 121 | 82 |
| 24 | 7:30 | 17063 | 17063 | 0 | 4 | 39 |
| 25 | 7:30 | 17063 | 17064 | 358 | 38 | 41 |
| 26 | 7:27 | 17064 | 17064 | 0 | 39 | 41 |
| 27 | 7:15 | 17065 | 17064 | 0 | 40 | 0 |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | 7:30 | 17067 | 17067 | 358 | 83 | 122 |
| 31 | 7:40 | 17067 | 17068 | 0 | 40 | 41 |
| | | | Totals | 2,701 | 1,235 | 1,208 |



| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) |
|--------------------------------|
| 320 |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 678 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 13,017,600 |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 21 | 21 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 1,235,000 | 1,208,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 980 | 959 |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 2,443,000 | |
| Spring Total (gal) | 13,017,600 | |
| Monthly Total | 15,460,600 | |
| Average Daily Total | 515,353 | |
| | | |

| Amount Pumped | from Willow Creek Well |
|---------------|------------------------|
| 2, | 701,000 |

Month:

Nov-17

| D | - | Booster Hours | | Willow Creek | Booster Flow (1,000 gal) | |
|-----|------|---------------|--------|-----------------|--------------------------|-------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 2 | 2 |
| 1 | 7:30 | 17068 | 17068 | 0 | 40 | 33 |
| 2 | 7:35 | 17069 | 17068 | 0 | 43 | 8 |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | 7:15 | 17071 | 17071 | 317 | 123 | 118 |
| 7 | 7:30 | 17072 | 17072 | 0 | 13 | 83 |
| 8 | 7:35 | 17073 | 7073 | 325 | 56 | 42 |
| 9 | 7:25 | 17073 | 17074 | 0 | 27 | 41 |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | 7:34 | 17072 | 17077 | 320 | 168 | 158 |
| 14 | 7:25 | 17077 | 17078 | 0 | 46 | 37 |
| 15 | 7:25 | 17078 | 17078 | 0 | 40 | 37 |
| 16 | 7:10 | 17079 | 17079 | 0 | 40 | 41 |
| 17 | 7:20 | 17079 | 17080 | 0 | 44 | 42 |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | 7:40 | 17082 | 17082 | 315 | 125 | 122 |
| 21 | 7:25 | 17082 | 17083 | 0 | 42 | 41 |
| 22 | 7:15 | 17083 | 17084 | 323 | 41 | 42 |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | 7:30 | 17087 | 17088 | 317 | 211 | 201 |
| 27 | | | | | | |
| 28 | 7:35 | 17088 | 17088 | 0 | 41 | 41 |
| 29 | 7:10 | 17089 | 17089 | 0 | 41 | 41 |
| 30 | 7:30 | 17090 | 17090 | 360 | 56 | 42 |
| 31 | | | | | | |
| | | | Totals | 2,277 | 1,197 | 1,170 |



| Days Measured | The same |
|---------------|----------|
| 30 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 315 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 676 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 12,776,400 |

| Monthly Pump Hours | | |
|--------------------|--------|--|
| Pump 1 | Pump 2 | |
| 22 | 22 | |

| Monthly Amount Pumped (gal) | | | | |
|-----------------------------|-----------|--|--|--|
| Pump 1 | Pump 2 | | | |
| 1,197,000 | 1,170,000 | | | |

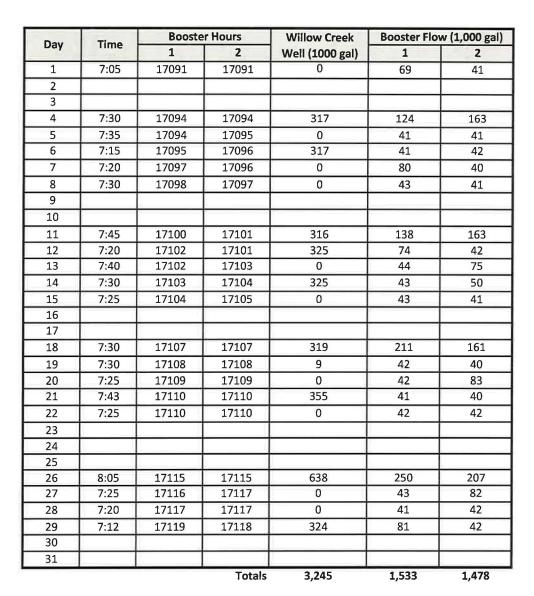
| Average Pumping Rate (gpm) | | | | |
|----------------------------|--------|--|--|--|
| Pump 1 | Pump 2 | | | |
| 907 | 886 | | | |

| Monthly Average Daily Use (Gal) | | | | |
|---------------------------------|------------|--|--|--|
| Booster Total (gal) | 2,367,000 | | | |
| Spring Total (gal) | 12,776,400 | | | |
| Monthly Total | 15,143,400 | | | |
| Average Daily Total | 504,780 | | | |

| Amou | nt Pumped | from | Willow Cr | eek Well |
|------|-----------|-------|-----------|----------|
| | 2, | 277,0 | 000 | |

Month:

Dec-17





| Days Measured | |
|---------------|--|
| 29 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 310 | |

| Estimated Time of Use of Spring (hrs) | |
|---------------------------------------|---|
| 641 | J |

| Approximate | Monthly Spring Flow (gal) |
|-------------|---------------------------|
| | 11,922,600 |

| Monthly F | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 28 | 27 |

| Monthly Amo | unt Pumped (gal) |
|-------------|------------------|
| Pump 1 | Pump 2 |
| 1,533,000 | 1,478,000 |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 913 | 912 |

| Monthly Average Daily Use (Gal) | | | | |
|---------------------------------|------------|--|--|--|
| Booster Total (gal) | 3,011,000 | | | |
| Spring Total (gal) | 11,922,600 | | | |
| Monthly Total | 14,933,600 | | | |
| Average Daily Total | 514,952 | | | |

| Amount Pumped | from Willow Creek Well |
|---------------|------------------------|
| 3 | ,245,000 |



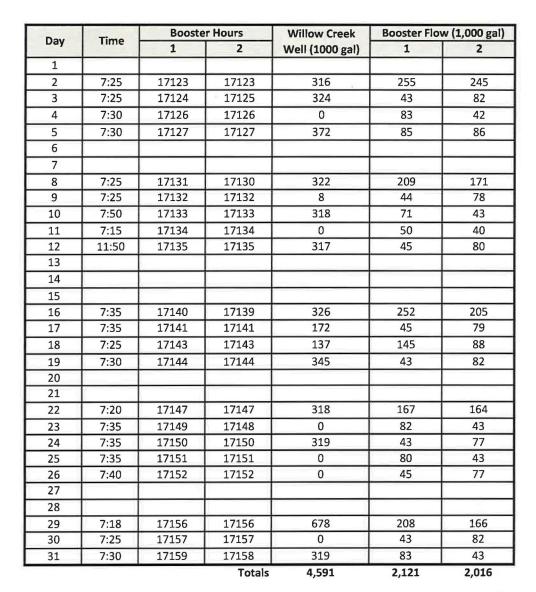
Summary Sheet

| Metric | Month | | | | | | | | | | | | |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| Booster Flow (gal) | 5,619,000 | 4,375,000 | 4,119,000 | 860,000 | 1,374,000 | 6,665,000 | 9,391,000 | 9,671,000 | 7,318,000 | 2,443,000 | 2,367,000 | 3,011,000 | 57,213,000 |
| Spring Flow (gal) | 11,914,074 | 11,970,504 | 14,082,948 | 13,219,200 | 17,254,560 | 16,753,200 | 14,246,550 | 14,239,800 | 11,468,520 | 13,017,600 | 12,776,400 | 11,922,600 | 162,865,956 |
| Period Total (gal) | 17,533,074 | 16,345,504 | 18,201,948 | 14,079,200 | 18,628,560 | 23,418,200 | 23,637,550 | 23,910,800 | 18,786,520 | 15,460,600 | 15,143,400 | 14,933,600 | 220,078,956 |
| Days Measured | 29 | 28 | 31 | 26 | 30 | 30 | 29 | 31 | 29 | 30 | 30 | 29 | 352 |
| Average Daily Flow (gpd) | 604,589 | 583,768 | 587,160 | 541,508 | 620,952 | 780,607 | 815,088 | 771,316 | 647,811 | 515,353 | 504,780 | 514,952 | |

Annual Average Daily Demand (gpd)

625,224

Month: Jan-18





| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 305 | |

| 1 | Estimated Time of Use of Spring (hrs) |
|---|---------------------------------------|
| | 649 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 11,857,230 |

| Monthly Pump Hours | | |
|--------------------|--------|--|
| Pump 1 | Pump 2 | |
| 36 | 35 | |

| Monthly Amount Pumped (gal) | |
|-----------------------------|-----------|
| Pump 1 | Pump 2 |
| 2,121,000 | 2,016,000 |

| Average Pumping Rate (gpm) | | |
|----------------------------|--------|--|
| Pump 1 | Pump 2 | |
| 982 | 960 | |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 4,137,000 | |
| Spring Total (gal) | 11,857,230 | |
| Monthly Total | 15,994,230 | |
| Average Daily Total | 533,141 | |

| Amo | unt Pumped from Willow Creek Well |
|-----|-----------------------------------|
| | 4,591,000 |

Month:

Feb-18

| Davis | Time | Booster Hours | | Willow Creek | Booster Flow (1,000 ga | |
|-------|------|---------------|--------|-----------------|------------------------|-------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | 7:45 | 17160 | 17160 | 0 | 84 | 87 |
| 2 | 7:33 | 17161 | 17161 | 324 | 44 | 79 |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | 7:35 | 17165 | 17165 | 328 | 215 | 170 |
| 6 | 7:40 | 17166 | 17166 | 0 | 42 | 80 |
| 7 | 7:40 | 17167 | 17167 | 331 | 86 | 43 |
| 8 | 7:35 | 17169 | 17169 | 0 | 79 | 86 |
| 9 | 7:30 | 17170 | 17170 | 327 | 54 | 84 |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | 7:25 | 17174 | 17175 | 327 | 216 | 216 |
| 13 | 7:40 | 17176 | 17175 | 331 | 83 | 43 |
| 14 | 7:35 | 17177 | 17177 | 0 | 43 | 85 |
| 15 | 7:30 | 17178 | 17178 | 0 | 88 | 41 |
| 16 | 7:35 | 17179 | 17179 | 326 | 43 | 81 |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | 7:45 | 17184 | 17184 | 645 | 264 | 252 |
| 21 | 7:20 | 17186 | 17185 | 0 | 78 | 41 |
| 22 | 7:35 | 17187 | 17187 | 29 | 89 | 86 |
| 23 | 7:15 | 17188 | 17188 | 301 | 45 | 83 |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | 7:30 | 17192 | 17192 | 326 | 213 | 167 |
| 27 | 8:25 | 17194 | 17193 | 324 | 90 | 86 |
| 28 | 7:30 | 17195 | 17195 | 0 | 45 | 84 |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| | | | Totals | 3,919 | 1,901 | 1,894 |



| Days Measured | | | |
|---------------|--|--|--|
| 28 | | | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 299 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 602 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 10,799,880 |

| Monthly Pump Hours | |
|--------------------|--------|
| Pump 1 | Pump 2 |
| 35 | 35 |

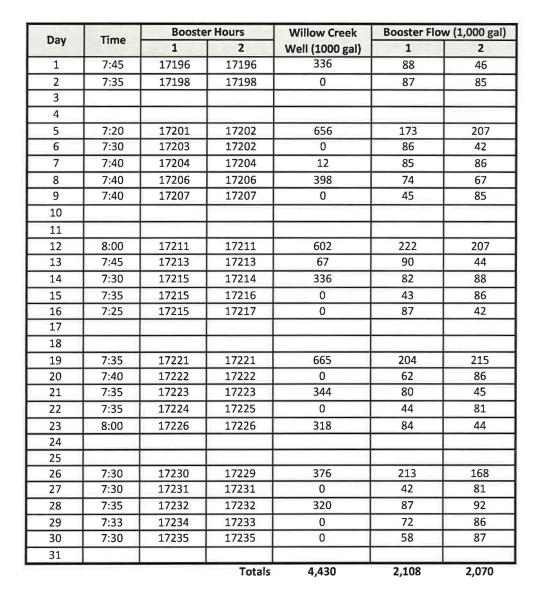
| Monthly Amount Pumped (gal) | | |
|-----------------------------|-----------|--|
| Pump 1 | Pump 2 | |
| 1,901,000 | 1,894,000 | |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 905 | 902 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 3,795,000 |
| Spring Total (gal) | 10,799,880 |
| Monthly Total | 14,594,880 |
| Average Daily Total | 521,246 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 3,919,000 |

Month: Mar-18





| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 316 | |

| Estimated Time of Use of Spring (hrs) | |
|---------------------------------------|--|
| 642 | |

| Approximate N | Monthly Spring Flow | (gal) |
|---------------|----------------------------|-------|
| | 12,153,060 | |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 39 | 39 |

| Monthly Amou | int Pumped (gal) |
|--------------|------------------|
| Pump 1 | Pump 2 |
| 2,108,000 | 2,070,000 |

| Average Pump | ping Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 901 | 885 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 4,178,000 |
| Spring Total (gal) | 12,153,060 |
| Monthly Total | 16,331,060 |
| Average Daily Total | 544,369 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 4,430,000 |

Month:

Apr-18

| Day | Time | Booster Hours | | Willow Creek | Booster Flow (1,000 ga | |
|-----|------|---------------|--------|-----------------|------------------------|-------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | | | | | | |
| 2 | 7:30 | 17239 | 17239 | 665 | 218 | 195 |
| 3 | 7:50 | 17241 | 17240 | 0 | 89 | 64 |
| 4 | 7:20 | 17242 | 17242 | 338 | 49 | 81 |
| 5 | 7:12 | 17243 | 17243 | 0 | 87 | 42 |
| 6 | 7:25 | 17245 | 17244 | 387 | 87 | 88 |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | 7:30 | 17248 | 17248 | 312 | 167 | 207 |
| 10 | 7:15 | 17250 | 17249 | 0 | 82 | 56 |
| 11 | 7:30 | 17251 | 17251 | 380 | 43 | 79 |
| 12 | 7:25 | 17252 | 17252 | 0 | 83 | 42 |
| 13 | 7:05 | 17253 | 17253 | 320 | 43 | 84 |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | 7:20 | 17256 | 17257 | 327 | 174 | 166 |
| 17 | 7:30 | 17258 | 17257 | 0 | 84 | 41 |
| 18 | 7:20 | 17259 | 17259 | 325 | 44 | 82 |
| 19 | 7:30 | 17261 | 17260 | 0 | 83 | 42 |
| 20 | 7:08 | 17261 | 17261 | 324 | 42 | 86 |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | 7:30 | 17265 | 17265 | 323 | 171 | 166 |
| 24 | 7:30 | 17266 | 17266 | 0 | 79 | 44 |
| 25 | 7:20 | 17266 | 17266 | 0 | 0 | 41 |
| 26 | 7:15 | 17267 | 17268 | 347 | 44 | 62 |
| 27 | 7:15 | 17268 | 17268 | 0 | 62 | 0 |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | 7:20 | 17269 | 17269 | 0 | 65 | 86 |
| 31 | | | | | | |
| | • | | Totals | 4,048 | 1,796 | 1,754 |



| 1000 | Days Measured | |
|------|---------------|--|
| | 29 | |

| Average Flow from Spring (gpm) |
|--------------------------------|
| 332 |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 636 |

| Approximate | Monthly Spring Flow (gal) |
|-------------|---------------------------|
| | 12,669,120 |

| Monthly P | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 30 | 30 |

| Monthly Amount Pumped (gal) | |
|-----------------------------|-----------|
| Pump 1 | Pump 2 |
| 1,796,000 | 1,754,000 |

| Average Pum | ping Rate (gpm) |
|-------------|-----------------|
| Pump 1 | Pump 2 |
| 998 | 974 |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 3,550,000 | |
| Spring Total (gal) | 12,669,120 | |
| Monthly Total | 16,219,120 | |
| Average Daily Total | 559,280 | |

| Amount Pumped | from V | Villow C | reek Wel |
|----------------------|--------|----------|----------|
| 4 | 048,00 | 00 | |

Month: May-18

| Day | Time | Booste | r Hours | Willow Creek | Creek Booster Flow | w (1,000 ga |
|-----|------|--------|---------|-----------------|--------------------|-------------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | 7:20 | 17270 | 17269 | 0 | 39 | 0 |
| 2 | 7:10 | 17270 | 17269 | 0 | 0 | 0 |
| 3 | 7:18 | 17270 | 17270 | 335 | 0 | 53 |
| 4 | 7:10 | 17271 | 17271 | 0 | 32 | 28 |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | 7:30 | 17272 | 17273 | 0 | 98 | 95 |
| 8 | 7:10 | 17273 | 17273 | 327 | 44 | 0 |
| 9 | 7:25 | 17274 | 17274 | 0 | 42 | 31 |
| 10 | 7:25 | 17274 | 17274 | 0 | 0 | 22 |
| 11 | 7:05 | 17275 | 17274 | 0 | 40 | 0 |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | 7:35 | 17276 | 17276 | 0 | 46 | 80 |
| 15 | 7:15 | 17276 | 17276 | 0 | 15 | 0 |
| 16 | 7:40 | 17277 | 17276 | 338 | 29 | 31 |
| 17 | 7:20 | 17277 | 17277 | 0 | 0 | 55 |
| 18 | 7:00 | 17278 | 17277 | 0 | 563 | 0 |
| 19 | | | | | | |
| 20 | | | | - | | |
| 21 | 7:30 | 17280 | 17280 | 324 | 118 | 119 |
| 22 | 7:15 | 17280 | 17281 | 0 | 0 | 44 |
| 23 | 7:30 | 17281 | 17281 | 0 | 44 | 44 |
| 24 | 7:35 | 17282 | 17282 | 323 | 79 | 6 |
| 25 | 7:01 | 17282 | 17282 | 0 | 0 | 43 |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | 7:10 | 17284 | 17284 | 0 | 89 | 76 |
| 29 | 7:15 | 17284 | 17284 | 0 | 41 | 0 |
| 30 | 7:15 | 17284 | 17284 | 316 | 0 | 39 |
| 31 | 7:35 | 17284 | 17284 | 0 | 0 | 0 |
| | | | Totals | 1,963 | 1,319 | 766 |



| Days Measured | |
|---------------|--|
| 31 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 349 | |

| Estimated | Time of Use of Spring (hrs) |
|------------------|-----------------------------|
| | 715 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 14,950,650 |

| Monthly I | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 14 | 15 |

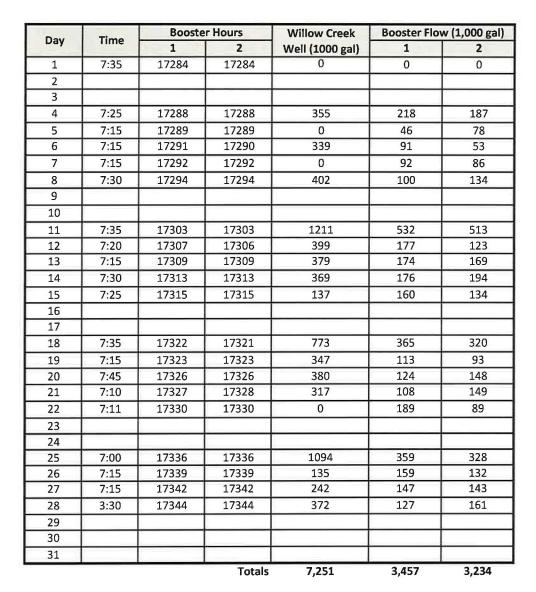
| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 1,319,000 | 766,000 |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 1,570 | 851 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 2,085,000 |
| Spring Total (gal) | 14,950,650 |
| Monthly Total | 17,035,650 |
| Average Daily Total | 549,537 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 1,963,000 |

Month: Jun-18





| Days Measured | |
|---------------|--|
| 28 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 365 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 552 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 12,088,800 |

| Monthly F | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 60 | 60 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 3,457,000 | 3,234,000 |

| Average Pumping Rate (gpm) | |
|----------------------------|--------|
| Pump 1 | Pump 2 |
| 960 | 898 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 6,691,000 |
| Spring Total (gal) | 12,088,800 |
| Monthly Total | 18,779,800 |
| Average Daily Total | 670,707 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 7,251,000 |

Month:

Jul-18

| Day Time | | Booster Hours | | Willow Creek | Booster Flow (1,000 gal) | |
|----------|------|---------------|--------|-----------------|--------------------------|-------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | | | | | | |
| 2 | 7:25 | 17354 | 17354 | 1403 | 594 | 569 |
| 3 | 7:20 | 17357 | 17357 | 452 | 175 | 177 |
| 4 | | | | | | |
| 5 | 7:25 | 17363 | 17363 | 771 | 314 | 325 |
| 6 | 7:15 | 17367 | 17366 | 395 | 199 | 170 |
| 7 | | | - | | | |
| 8 | | | | | | |
| 9 | 7:38 | 17376 | 17376 | 1260 | 555 | 613 |
| 10 | 7:30 | 17380 | 17379 | 401 | 213 | 145 |
| 11 | 7:18 | 17383 | 17382 | 404 | 100 | 181 |
| 12 | 7:20 | 17386 | 17387 | 444 | 209 | 240 |
| 13 | 7:27 | 17390 | 17390 | 458 | 221 | 194 |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | 7:35 | 17405 | 17405 | 1750 | 770 | 730 |
| 17 | 7:12 | 17409 | 17408 | 463 | 226 | 186 |
| 18 | 7:20 | 17412 | 17412 | 399 | 162 | 192 |
| 19 | 7:15 | 17416 | 17416 | 461 | 213 | 199 |
| 20 | 7:30 | 17420 | 17420 | 472 | 233 | 189 |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | 7:50 | 17432 | 17432 | 1389 | 630 | 613 |
| 24 | 7:15 | 17436 | 17435 | 481 | 259 | 169 |
| 25 | 7:15 | 17440 | 17439 | 476 | 221 | 204 |
| 26 | 7:15 | 17444 | 17443 | 438 | 195 | 198 |
| 27 | 7:20 | 17447 | 17448 | 465 | 171 | 243 |
| 28 | | | | | | |
| 29 | | | | 2 | | |
| 30 | 7:30 | 17459 | 17459 | 1498 | 704 | 687 |
| 31 | | 17465 | 17464 | 467 | 273 | 201 |
| | | | Totals | 14,747 | 6,637 | 6,425 |



| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) |
|--------------------------------|
| 332 |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 499 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 9,940,080 |

| Monthly F | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 111 | 110 |

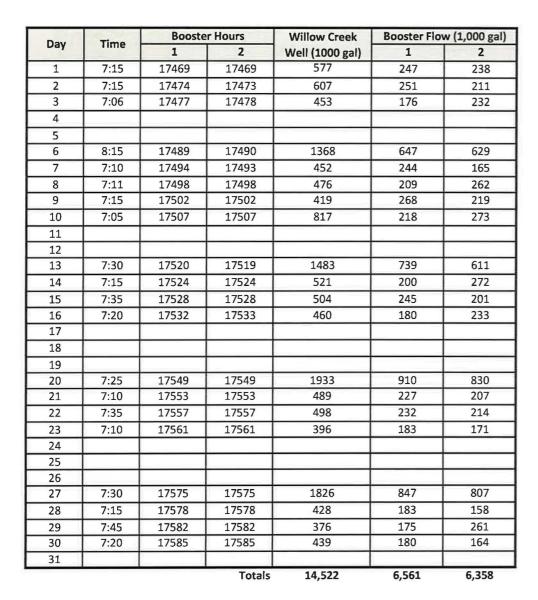
| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 6,637,000 | 6,425,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 997 | 973 |

| Monthly Average | Daily Use (Gal) |
|---------------------|-----------------|
| Booster Total (gal) | 13,062,000 |
| Spring Total (gal) | 9,940,080 |
| Monthly Total | 23,002,080 |
| Average Daily Total | 766,736 |

| ĺ | Amount Pumped from Willow Creek Well |
|---|--------------------------------------|
| | 14,747,000 |

Month: Aug-18





| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) |
|--------------------------------|
| 299 |

| I | Estimated Time of Use of Spring (hrs) |
|---|---------------------------------------|
| | 488 |

| Approximate Monthly Spring Flow (gal) | |
|---------------------------------------|--|
| 8,754,720 | |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 116 | 116 |

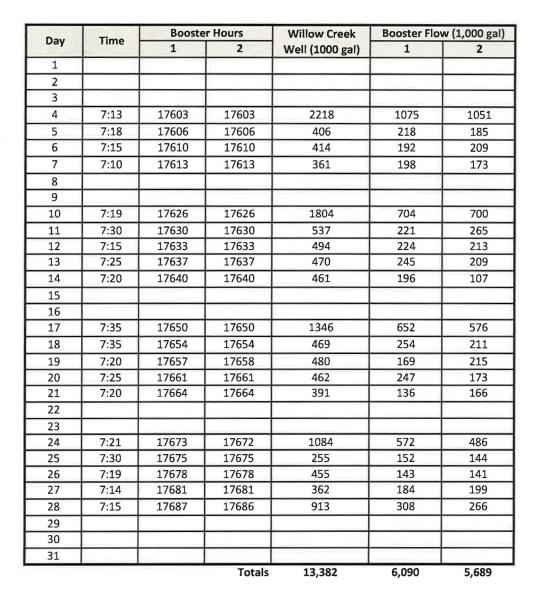
| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 6,561,000 | 6,358,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 943 | 914 |

| Monthly Average Da | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 12,919,000 |
| Spring Total (gal) | 8,754,720 |
| Monthly Total | 21,673,720 |
| Average Daily Total | 722,457 |

| Amount Pumped from | Willow Creek Well |
|---------------------------|-------------------|
| 14,522, | 000 |

Month: Sep-18





| Days Measured | |
|---------------|--|
| 25 | |

| Average Flow from Spring (gpm) | - |
|--------------------------------|---|
| 303 | |

| Estimated Time of Use of Spring (hrs) | Ī |
|---------------------------------------|---|
| 433 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 7,871,940 |

| Monthly F | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 84 | 83 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 6,090,000 | 5,689,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 1,208 | 1,142 |

| Monthly Average D | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 11,779,000 |
| Spring Total (gal) | 7,871,940 |
| Monthly Total | 19,650,940 |
| Average Daily Total | 786,038 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 13,382,000 |

Month:

Oct-18

| 7:10 7:15 7:30 7:15 7:10 | 1 17697 17699 17702 17704 17705 | 2 17697 17699 17702 17704 17706 | Well (1000 gal) 1301 357 11 354 | 1 650 128 116 | 590 136 142 |
|--------------------------|--|--|--|---|--|
| 7:15 7:30 7:15 | 17699 17702 17704 | 17699 17702 17704 | 357 11 | 128 116 | 136 |
| 7:30 7:15 | 17702 17704 | 17702 17704 | 11 | 116 | |
| 7:15 | 17704 | 17704 | | | 142 |
| | | | 354 | 120 | 142 |
| 7:10 | 17705 | 17706 | | 139 | 91 |
| | | | 401 | 84 | 104 |
| | | | | | |
| | | | | | |
| | | | | | |
| 7:15 | 17714 | 17714 | 783 | 508 | 450 |
| 7:12 | 17715 | 17715 | 358 | 69 | 86 |
| 7:30 | 17717 | 17716 | 0 | 84 | 43 |
| 7:15 | 17718 | 17718 | 331 | 46 | 90 |
| | | | | | |
| | | | | | |
| 7:13 | 17722 | 17722 | 345 | 224 | 220 |
| 7:35 | 17724 | 17724 | 345 | 95 | 77 |
| 7:30 | 17725 | 17725 | 0 | 89 | 40 |
| 7:25 | 17726 | 17726 | 325 | 133 | 128 |
| 7:10 | 17729 | 17728 | 0 | 136 | 88 |
| | | | | | |
| | | Ĭ | | | |
| 7:25 | 17733 | 17733 | 696 | 229 | 260 |
| 7:15 | 17734 | 17734 | 0 | 88 | 64 |
| 7:20 | 17736 | 17736 | 351 | 91 | 99 |
| 7:30 | 17738 | 17738 | 321 | 103 | 96 |
| 7:12 | 17739 | 17739 | 0 | 42 | 74 |
| | | | | | |
| | | | | | |
| 7:25 | 17744 | 17744 | 396 | 256 | 233 |
| 7:20 | 17745 | 17745 | 288 | 87 | 45 |
| 7:18 | 17747 | 17746 | 195 | 88 | 93 |
| | 7:25 7:15 7:20 7:30 7:12 7:25 7:25 | 7:25 17733 7:15 17734 7:20 17736 7:30 17738 7:12 17739 7:25 17744 7:20 17745 | 7:25 17733 17733 7:15 17734 17734 7:20 17736 17736 7:30 17738 17738 7:12 17739 17739 7:25 17744 17744 7:20 17745 17745 | 7:25 17733 17733 696 7:15 17734 17734 0 7:20 17736 17736 351 7:30 17738 17738 321 7:12 17739 17739 0 7:25 17744 17744 396 7:20 17745 17745 288 7:18 17747 17746 195 | 7:25 17733 17733 696 229 7:15 17734 17734 0 88 7:20 17736 17736 351 91 7:30 17738 17738 321 103 7:12 17739 17739 0 42 7:25 17744 17744 396 256 7:20 17745 17745 288 87 7:18 17747 17746 195 88 |



| Days Measured | |
|---------------|--|
| 31 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 307 | |

| Estimated Time of Use of Spring (hrs) | |
|---------------------------------------|--|
| 645 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 11,880,900 |

| Monthly I | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 50 | 49 |

| Monthly Amount Pumped (gal) | |
|-----------------------------|-----------|
| Pump 1 | Pump 2 |
| 3,485,000 | 3,249,000 |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 1,162 | 1,105 |

| Monthly Average Da | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 6,734,000 |
| Spring Total (gal) | 11,880,900 |
| Monthly Total | 18,614,900 |
| Average Daily Total | 600,481 |

| Amount Pumped from Willow Creek Well | |
|--------------------------------------|---|
| 7,158,000 | Ī |

Month:

Nov-18

| Day | Time | Booster Hours | | Willow Creek | Booster Flor | w (1,000 g |
|-----|------|---------------|--------|-----------------|--------------|------------|
| Day | | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | 7:25 | 17748 | 17748 | 0 | 57 | 86 |
| 2 | 7:28 | 17750 | 17750 | 341 | 75 | 81 |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | 7:25 | 17754 | 17754 | 345 | 242 | 212 |
| 6 | 7:22 | 17757 | 17756 | 340 | 146 | 98 |
| 7 | 7:25 | 17760 | 17759 | 390 | 147 | 146 |
| 8 | 7:42 | 17762 | 17762 | 385 | 104 | 145 |
| 9 | 7:40 | 17763 | 17763 | 0 | 85 | 42 |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | 7:50 | 17769 | 17769 | 679 | 298 | 301 |
| 14 | 7:35 | 17770 | 17771 | 23 | 60 | 88 |
| 15 | 7:40 | 17772 | 17771 | 310 | 84 | 45 |
| 16 | 7:30 | 17773 | 17773 | 336 | 85 | 89 |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | 7:15 | 17778 | 17778 | 347 | 266 | 217 |
| 20 | 7:20 | 17780 | 17780 | 359 | 93 | 109 |
| 21 | 7:25 | 17782 | 17782 | 0 | 88 | 96 |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | 7:55 | 17793 | 17793 | 1559 | 632 | 601 |
| 27 | 7:17 | 17795 | 17794 | 0 | 85 | 58 |
| 28 | | | | | | |
| 29 | 7:25 | 17779 | 17799 | 370 | 200 | 213 |
| 30 | 7:30 | 17802 | 17802 | 407 | 153 | 158 |
| 31 | | | | | | |
| | | | Totals | 6,191 | 2,900 | 2,785 |



| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) |
|--------------------------------|
| 311 |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 612 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 11,419,920 |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 54 | 54 |

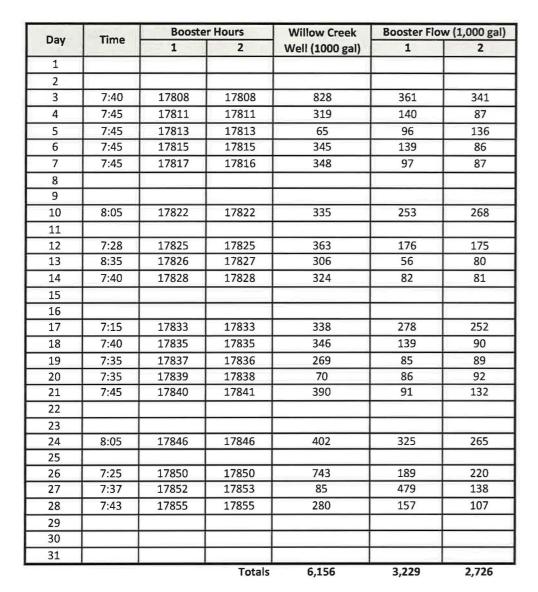
| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 2,900,000 | 2,785,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 895 | 860 |

| Monthly Average Daily Use (Gal) | | | | | | | |
|---------------------------------|------------|--|--|--|--|--|--|
| Booster Total (gal) | 5,685,000 | | | | | | |
| Spring Total (gal) | 11,419,920 | | | | | | |
| Monthly Total | 17,104,920 | | | | | | |
| Average Daily Total | 570,164 | | | | | | |

| Amount Pumped from Willow Creek Wel | |
|-------------------------------------|--|
| 6,191,000 | |

Month: Dec-18





| Days Measured | |
|---------------|--|
| 26 | |

| Average Flow from Spring (gpm) | | | | | | |
|--------------------------------|--|--|--|--|--|--|
| 315 | | | | | | |

| Estimated | Time of Use of Spring (hrs) |
|-----------|-----------------------------|
| | 530 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 10,017,000 |

| Monthly Pump Hours | | | | |
|--------------------|--------|--|--|--|
| Pump 1 | Pump 2 | | | |
| 47 | 47 | | | |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 3,229,000 | 2,726,000 |

| Average Pumping Rate (gpm) | | | | |
|----------------------------|--------|--|--|--|
| Pump 1 | Pump 2 | | | |
| 1,145 | 967 | | | |

| Monthly Average Daily Use (Gal) | | | | | | | |
|---------------------------------|------------|--|--|--|--|--|--|
| Booster Total (gal) 5,955,0 | | | | | | | |
| Spring Total (gal) | 10,017,00 | | | | | | |
| Monthly Total | 15,972,000 | | | | | | |
| Average Daily Total | 614,308 | | | | | | |

| Amount Pumpe | d from Willow Creek Well |
|---------------------|--------------------------|
| | 6,156,000 |





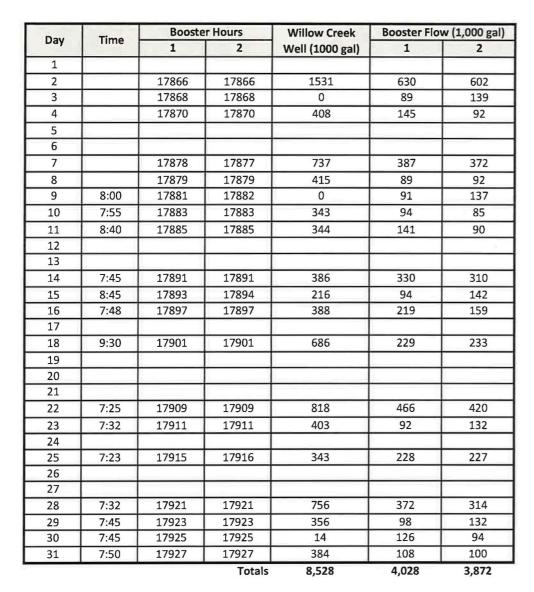
City of Victor - Water Flow Data Summary Sheet

| Metric | | Month | | | | | | | | | ~ | | |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | January | February | March | April | May | June | July | August | September | October | November | December | Totals |
| Booster Flow (gal) | 4,137,000 | 3,795,000 | 4,178,000 | 3,550,000 | 2,085,000 | 6,691,000 | 13,062,000 | 12,919,000 | 11,779,000 | 6,734,000 | 5,685,000 | 5,955,000 | 80,570,000 |
| Spring Flow (gal) | 11,857,230 | 10,799,880 | 12,153,060 | 12,669,120 | 14,950,650 | 12,088,800 | 9,940,080 | 8,754,720 | 7,871,940 | 11,880,900 | 11,419,920 | 10,017,000 | 134,403,300 |
| Period Total (gal) | 15,994,230 | 14,594,880 | 16,331,060 | 16,219,120 | 17,035,650 | 18,779,800 | 23,002,080 | 21,673,720 | 19,650,940 | 18,614,900 | 17,104,920 | 15,972,000 | 214,973,300 |
| Days Measured | 30 | 28 | 30 | 29 | 31 | 28 | 30 | 30 | 25 | 31 | 30 | 26 | 348 |
| Average Daily Flow (gpd) | 533,141 | 521,246 | 544,369 | 559,280 | 549,537 | 670,707 | 766,736 | 722,457 | 786,038 | 600,481 | 570,164 | 614,308 | |

Annual Average Daily Flow (gpd)

617,739

Month: Jan-19





| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 270 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 598 |

| Approximate Monthly Spring Flow (gal) | |
|---------------------------------------|--|
| 9,687,600 | |

| Monthly P | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 61 | 61 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 4,028,000 | 3,872,000 |

| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 1,101 | 1,058 |

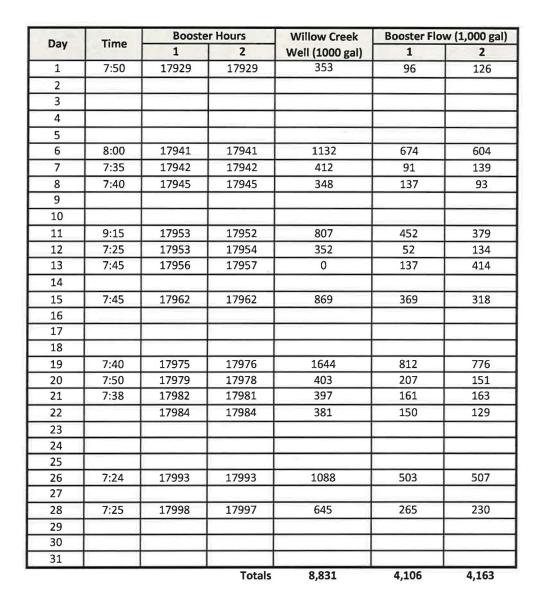
| Monthly Average Da | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 7,900,000 |
| Spring Total (gal) | 9,687,600 |
| Monthly Total | 17,587,600 |
| Average Daily Total | 586,253 |

| Amount | oumped from | Willow Creek Well |
|--------|-------------|-------------------|
| | 8,528,000 | |

Pumping Peak Day (gal)

378,000

Month: Feb-19





| Days Measured | |
|---------------|--|
| 28 | |

| Average Flow from Spring (gpm) |
|--------------------------------|
| 280 |

| | Estimated Time of Use of Spring (hrs) |
|---|---------------------------------------|
| Τ | 535 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 8,988,000 |

| Monthly P | ump Hours |
|-----------|-----------|
| Pump 1 | Pump 2 |
| 69 | 68 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 4,106,000 | 4,163,000 |

| Average Pumping Rate (gpm) | | |
|----------------------------|--------|--|
| Pump 1 | Pump 2 | |
| 992 | 1,020 | |

| Monthly Average Da | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 8,269,000 |
| Spring Total (gal) | 8,988,000 |
| Monthly Total | 17,257,000 |
| Average Daily Total | 616,321 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 8.831.000 |

Month:

Mar-19

| Day | Time | Booster Hours | | Willow Creek | Booster Flow (1,000 ga | |
|-----|------|---------------|--------|-----------------|------------------------|-------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | 7:30 | 18000 | 18001 | 178 | 152 | 198 |
| 2 | | | | a . | | |
| 3 | | | | | | |
| 4 | 7:40 | 18008 | 18009 | 1155 | 459 | 436 |
| 5 | 7:25 | 18011 | 18010 | 359 | 142 | 100 |
| 6 | 7:40 | 18013 | 53 | 53 | 147 | 131 |
| 7 | 7:45 | 18015 | 18015 | 413 | 128 | 137 |
| 8 | 7:30 | 18017 | 18018 | 360 | 113 | 141 |
| 9 | | | | | | |
| 10 | 1 | | | | | |
| 11 | 7:35 | 18024 | 18024 | 783 | 438 | 373 |
| 12 | 7:40 | 18026 | 18027 | 366 | 96 | 137 |
| 13 | 7:20 | 18029 | 18029 | 0 | 140 | 94 |
| 14 | 9:48 | 18032 | 18031 | 410 | 149 | 134 |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | 7:52 | 18040 | 18041 | 1141 | 480 | 573 |
| 19 | 7:40 | 18043 | 18042 | 363 | 146 | 90 |
| 20 | 7:45 | 18045 | 18045 | 6 | 115 | 136 |
| 21 | 7:48 | 18047 | 18047 | 404 | 126 | 140 |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | 7:32 | 18056 | 18056 | 1209 | 538 | 505 |
| 26 | 7:42 | 18059 | 18059 | 377 | 146 | 116 |
| 27 | | 18061 | 18061 | 0 | 95 | 132 |
| 28 | 7:20 | 18063 | 18063 | 398 | 137 | 90 |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| | | | Totals | 7,975 | 3,747 | 3,663 |



| Days Measured | |
|---------------|--|
| 28 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 297 | |

| Estimated Time of Use of | Spring (hrs) |
|---------------------------------|--------------|
| 547 | |

| Approximate Monthly Spring Flow (gal) | |
|---------------------------------------|--|
| 9,757,386 | |

| Monthly Pump Hours | |
|--------------------|--------|
| Pump 1 | Pump 2 |
| 63 | 62 |

| Monthly Amount Pumped (gal) | |
|-----------------------------|-----------|
| Pump 1 | Pump 2 |
| 3,747,000 | 3,663,000 |

| Average Pump | oing Rate (gpm) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 991 | 985 |

| Monthly Average Da | aily Use (Gal) |
|---------------------|----------------|
| Booster Total (gal) | 7,410,000 |
| Spring Total (gal) | 9,757,386 |
| Monthly Total | 17,167,386 |
| Average Daily Total | 613,121 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 7,975,000 |

Month: Apr-19

| Day. | Time | Booste | r Hours | Willow Creek | Booster Flor | w (1,000 g |
|------|------|---------|---------|-----------------|--------------|------------|
| Day. | Time | 1 | 2 | Well (1000 gal) | 1 | 2 |
| 1 | 7:30 | 18073 | 18073 | 354 | 1170 | 522 |
| 2 | 7:30 | 18075 | 18075 | 435 | 165 | 156 |
| 3 | 7:48 | 18078 | 18078 | 71 | 138 | 142 |
| 4 | 7:30 | 18080 | 18080 | 326 | 97 | 88 |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | 7:24 | 18088 | 18087 | 887 | 463 | 402 |
| 9 | | | | | | |
| 10 | 7:25 | 18091 | 18091 | 398 | 177 | 179 |
| 11 | 7:40 | 18093 | 18092 | 214 | 93 | 88 |
| 12 | | | | | | |
| 13 | | <u></u> | | | | |
| 14 | | | | | | |
| 15 | 7:40 | 18100 | 18100 | 474 | 375 | 397 |
| 16 | 7:08 | 18101 | 18101 | 347 | 102 | 86 |
| 17 | 7:30 | 18104 | 18103 | 346 | 137 | 87 |
| 18 | 7:25 | 18105 | 18105 | 0 | 87 | 91 |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | 7:25 | 18112 | 18110 | 1028 | 365 | 348 |
| 23 | 7:31 | 18113 | 18113 | 0 | 90 | 87 |
| 24 | 7:25 | 18115 | 18114 | 336 | 87 | 87 |
| 25 | 7:20 | 18116 | 18116 | 0 | 50 | 80 |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | 7:30 | 18121 | 18121 | 659 | 305 | 250 |
| 30 | 7:36 | 18122 | 18122 | 0 | 44 | 84 |
| 31 | | | | | | |
| | | | Totals | 5,875 | 3,945 | 3,174 |



| Days Measured | | |
|---------------|----|--|
| | 30 | |

| Average Flow from Spring (gpm) | |
|--------------------------------|--|
| 315 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 622 |

| Approxima | te Monthly Spring Flow (gal) |
|-----------|------------------------------|
| | 11,737,140 |

| Monthly P | Pump Hours |
|-----------|------------|
| Pump 1 | Pump 2 |
| 49 | 49 |

| Monthly Amou | nt Pumped (gal) |
|--------------|-----------------|
| Pump 1 | Pump 2 |
| 3,945,000 | 3,174,000 |

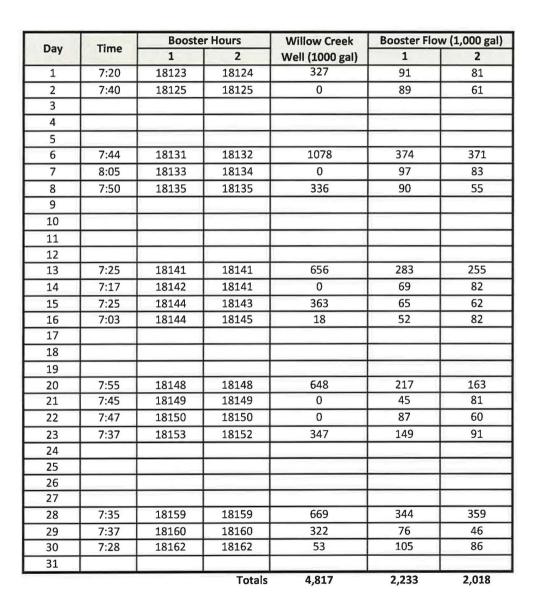
| Average Pump | ing Rate (gpm) |
|--------------|----------------|
| Pump 1 | Pump 2 |
| 1,342 | 1,080 |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 7,119,000 | |
| Spring Total (gal) | 11,737,140 | |
| Monthly Total | 18,856,140 | |
| Average Daily Total | 628,538 | |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 5.875.000 |

Month:

May-19





| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm)* |
|---------------------------------|
| 332 |

| Estimated | Time of Use of Spring (hrs) |
|-----------|-----------------------------|
| | 643 |

| Approximate Monthly Spring Flow | (gal) |
|---------------------------------|-------|
| 12,800,844 | |

| Monthly Pump Hours | |
|--------------------|--------|
| Pump 1 | Pump 2 |
| 39 | 38 |

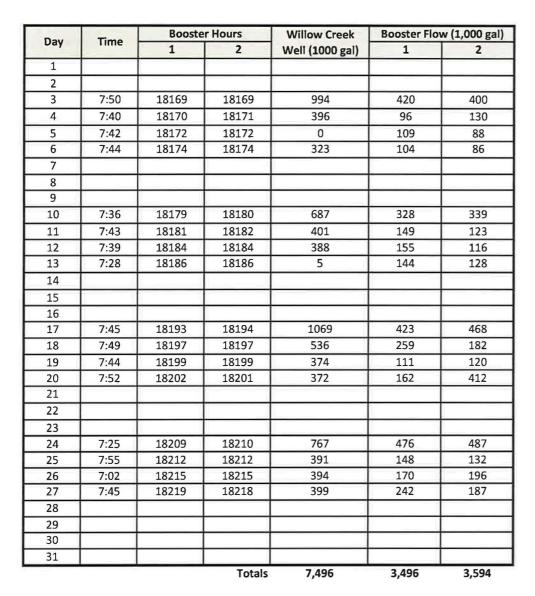
| Monthly Amount Pumped (gal) | |
|-----------------------------|-----------|
| Pump 1 | Pump 2 |
| 2,233,000 | 2,018,000 |

| Average Pumping Rate (gpm) | |
|----------------------------|--------|
| Pump 1 | Pump 2 |
| 954 | 885 |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 4,251,000 | |
| Spring Total (gal) | 12,800,844 | |
| Monthly Total | 17,051,844 | |
| Average Daily Total | 568,395 | |

| Ī | Amount Pumped from Willow Creek Well |
|---|--------------------------------------|
| ī | 4,817,000 |

Month: Jun-19





| Days Measured | | |
|---------------|----|--|
| | 25 | |

| Average Flow from Spring (gpm)* | |
|---------------------------------|--|
| 349 | |
| | |

| Estimated Time of Use of Spring (hrs) | I |
|---------------------------------------|---|
| 501 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 10,490,940 |

| Monthly Pump Hours | |
|--------------------|--------|
| Pump 1 | Pump 2 |
| 50 | 49 |

| Monthly Amount Pumped (gal) | | |
|-----------------------------|-----------|--|
| Pump 1 | Pump 2 | |
| 3,496,000 | 3,594,000 | |

| Average Pumping Rate (gpm) | | |
|----------------------------|--------|--|
| Pump 1 | Pump 2 | |
| 1,165 | 1,222 | |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 7,090,000 | |
| Spring Total (gal) | 10,490,940 | |
| Monthly Total | 17,580,940 | |
| Average Daily Total | 703,238 | |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 7,496,000 |

Month:

Jul-19

| 7:45 7:45 7:35 | 1 18235 18240 18243 | 2 18235 18240 18243 | (1000 gal) 2345 478 | 963 227 | 2 925 |
|----------------------|--|--|---|---|--|
| 7:45 | 18240 | 18240 | 478 | | 925 |
| | | | | 227 | |
| 7:35 | 18243 | 18243 | | / | 265 |
| | | | 397 | 222 | 201 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 8:03 | 18261 | 18261 | 2504 | 1806 | 1028 |
| 7:10 | 18264 | 18265 | 460 | 162 | 146 |
| 7:25 | 18268 | 18268 | 408 | 172 | 193 |
| 7:50 | 18272 | 18272 | 471 | 278 | 202 |
| | | | | | |
| | | | | | |
| | | | | | |
| 7:20 | 18292 | 18293 | 2127 | 971 | 1001 |
| 7:13 | 18298 | 18298 | 711 | 281 | 240 |
| 7:25 | 18303 | 18303 | 496 | 248 | 250 |
| 7:35 | 18309 | 18308 | 476 | 278 | 246 |
| | | | | | |
| | | | | | |
| | | | | | |
| 7:30 | 18336 | 18335 | 2793 | 1142 | 1151 |
| 7:35 | 18343 | 18343 | 483 | 290 | 315 |
| 7:26 | 18349 | 18349 | 866 | 276 | 289 |
| 7:58 | 18357 | 18356 | 508 | 321 | 306 |
| | | | | | |
| | | | | | |
| | | | | | |
| 7:25 | 18382 | 18382 | 2811 | 1189 | 1201 |
| 7:57 | 18387 | 18388 | 499 | 237 | 263 |
| :7:25 | 18392 | 18392 | 489 | 238 | 223 |
| | 7:50 7:20 7:13 7:25 7:35 7:36 7:35 7:35 7:26 7:58 | 7:50 18272 7:20 18292 7:13 18298 7:25 18303 7:35 18309 7:30 18336 7:35 18343 7:26 18349 7:58 18357 7:25 18382 7:57 18387 | 7:50 18272 18272 7:20 18292 18293 7:13 18298 18298 7:25 18303 18303 7:35 18309 18308 7:35 18343 18343 7:26 18349 18349 7:58 18357 18356 7:25 18382 18382 7:57 18387 18388 :7:25 18392 18392 | 7:50 18272 18272 471 7:20 18292 18293 2127 7:13 18298 18298 711 7:25 18303 18303 496 7:35 18309 18308 476 7:30 18336 18335 2793 7:35 18343 18343 483 7:26 18349 18349 866 7:58 18357 18356 508 7:25 18382 18382 2811 7:57 18387 18388 499 | 7:50 18272 18272 471 278 7:20 18292 18293 2127 971 7:13 18298 18298 711 281 7:25 18303 18303 496 248 7:35 18309 18308 476 278 7:35 18343 18343 483 290 7:26 18349 18349 866 276 7:58 18357 18356 508 321 7:25 18382 18382 2811 1189 7:57 18387 18388 499 237 :7:25 18392 18392 489 238 |



| Days Measured | |
|---------------|--|
| 31 | |

| Average Flow from Spring (gpm)* | |
|---------------------------------|--|
| 325 | |

| Estimated | Time of Use | of Spring (hrs) |
|-----------|-------------|-----------------|
| | 430 | |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 8,385,000 |

| Monthly Pump Hours | |
|--------------------|--------|
| Pump 1 | Pump 2 |
| 157 | 157 |

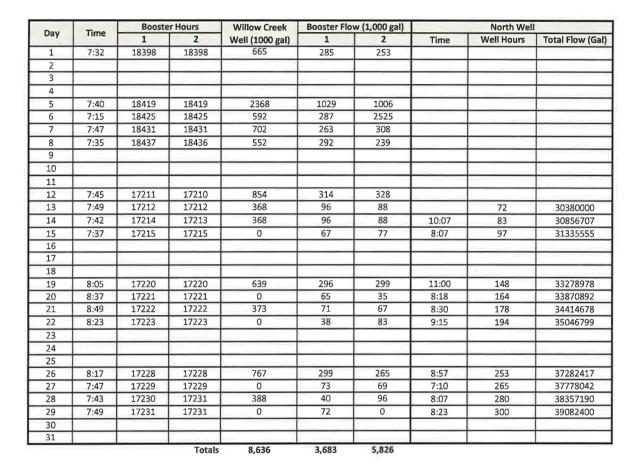
| Monthly Amount Pumped (gal) | |
|-----------------------------|-----------|
| Pump 1 | Pump 2 |
| 9,301,000 | 8,445,000 |

| Average Pumping Rate (gpm) | |
|----------------------------|--------|
| Pump 1 | Pump 2 |
| 987 | 896 |

| Monthly Average Daily Use (Gal) | | | |
|---------------------------------|------------|--|--|
| Booster Total (gal) | 17,746,000 | | |
| Spring Total (gal) | 8,385,000 | | |
| Monthly Total | 26,131,000 | | |
| Average Daily Total | 842,935 | | |

| Amount Pumped from | Willow Creek Well |
|---------------------------|-------------------|
| 19,322,000 | |

Month: Aug-19





| Days Measured | |
|---------------|--|
| 29 | |

| Average Flow from Spring (gpm)* |
|---------------------------------|
| 311 |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 350 |

| Approximate | Monthly Spring Flow (gal) |
|--------------------|---------------------------|
| | 6,537,300 |

| Monthly Pump Hour | |
|-------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 59 | 59 |

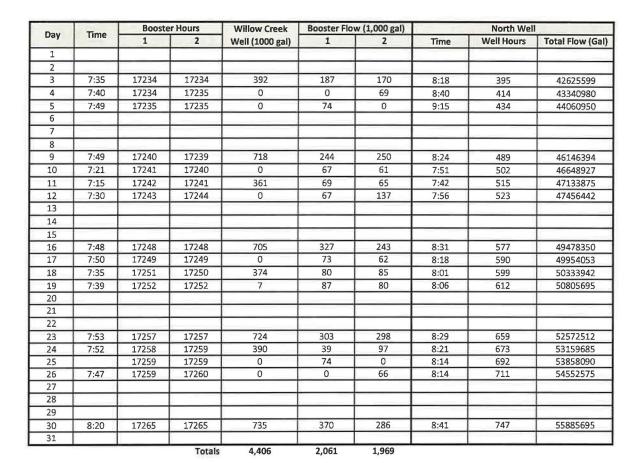
| Monthly Amount Pumped (ga | |
|---------------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 3,683,000 | 5,826,000 |

| Average Pumping Rate (gpm | | | | |
|---------------------------|----------------|--|--|--|
| Booster Pump 1 | Booster Pump 2 | | | |
| 1,040 | 1,646 | | | |

| Monthly Average Daily Use (Gal) | | | | |
|---------------------------------|------------|--|--|--|
| Booster Total (gal) | 9,509,000 | | | |
| North Well Total (gal) | 8,702,400 | | | |
| Spring Total (gal) | 6,537,300 | | | |
| Monthly Total | 24,748,700 | | | |
| Average Daily Total | 853,403 | | | |

| Amount Pumped fr | m Willow Creek Well |
|------------------|---------------------|
| 8,63 | 6,000 |

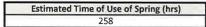
Month: Sep-19





| Days Measured | |
|---------------|--|
| 28 | |

| Average Flow from Spring (gpm)* |
|---------------------------------|
| 298 |



| | Approximate Monthly Spring Flow (gal) |
|---|---------------------------------------|
| Ī | 4,605,300 |

| Monthly Pump Hours | | | |
|--------------------|----------------|--|--|
| Booster Pump 1 | Booster Pump 2 | | |
| 31 | 31 | | |

| Monthly Amount Pumped (g | | | | |
|--------------------------|----------------|--|--|--|
| Booster Pump 1 | Booster Pump 2 | | | |
| 2,061,000 | 1,969,000 | | | |

| Average Pumping Rate (gpm | | | | |
|---------------------------|----------------|--|--|--|
| Booster Pump 1 | Booster Pump 2 | | | |
| 1,108 | 1,059 | | | |

| Monthly Average Daily Use (Gal) | | | | |
|---------------------------------|------------|--|--|--|
| Booster Total (gal) | 4,030,000 | | | |
| North Well Total (gal) | 13,260,096 | | | |
| Spring Total (gal) | 4,605,300 | | | |
| Monthly Total | 21,895,396 | | | |
| Average Daily Total | 781,978 | | | |

| Ī | Amount Pumped from Willow Creek Well |
|---|--------------------------------------|
| Т | 4,406,000 |

Month:

Oct-19

| | Time | Booster Hours | | Willow Creek | Booster Flow (1,000 gal) | | North Well | | |
|-----|------|---------------|-------|-----------------|--------------------------|-----|------------|------------|------------------|
| Day | Time | 1 | 2 | Well (1000 gal) | 1 | 2 | Time | Well Hours | Total Flow (Gal) |
| 1 | 8:39 | 17266 | 17267 | 97 | 64 | 127 | 8:16 | 752 | 56073415 |
| 2 | 8:37 | 17267 | 17268 | 257 | 59 | 64 | 8:03 | 760 | 56357986 |
| 3 | 8:21 | 17269 | 17269 | 163 | 127 | 59 | 7:58 | 764 | 65523175 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | 7:50 | 17273 | 17273 | 537 | 209 | 222 | 8:13 | 780 | 57117550 |
| 8 | 7:34 | 17275 | 17274 | 0 | 61 | 55 | 7:57 | 787 | 57338891 |
| 9 | 7:54 | 17276 | 17276 | 389 | 72 | 116 | 8:30 | 792 | 575285500 |
| 10 | 7:18 | 17277 | 17277 | 389 | 131 | 165 | 7:45 | 796 | 57653400 |
| 11 | | | | | | | | | |
| 12 | | | | | | | | N | |
| 13 | | | | | | | | | |
| 14 | | | 0 | | | | | | |
| 15 | 7:40 | 17282 | 17282 | 722 | 288 | 250 | | | |
| 16 | 7:34 | 17283 | 17283 | 0 | 57 | 56 | 8:00 | 819 | 58496034 |
| 17 | 7:55 | 17284 | 17284 | 0 | 57 | 58 | 8:42 | 822 | 58619774 |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |
| 21 | 7:38 | 17288 | 17287 | 691 | 232 | 171 | 8:02 | 836 | 59095478 |
| 22 | 7:55 | 17289 | 17288 | 0 | 59 | 54 | 8:19 | 840 | 59211531 |
| 23 | 7:30 | 17290 | 17290 | 0 | 57 | 54 | 7:53 | 843 | 59338900 |
| 24 | 7:38 | 17291 | 17290 | 371 | 53 | 53 | 8:01 | 847 | 59457923 |
| 25 | | | | | | | | | |
| 26 | | | | | | | | | |
| 27 | | | | | | | | | |
| 28 | 7:52 | 17295 | 17294 | 356 | 207 | 228 | 8:17 | 864 | 60098550 |
| 29 | 8:13 | 17296 | 17297 | 331 | 64 | 123 | 8:50 | 870 | 60273333 |
| 30 | 9:05 | 17297 | 17298 | 0 | 60 | 54 | 8:25 | 873 | 60404375 |
| 31 | 8:02 | 17298 | 17299 | 0 | 59 | 54 | 8:30 | 877 | 60537606 |



| Days Measured | |
|---------------|--|
| 31 | |

| Average Flow from Spring (gpm)* | |
|---------------------------------|--|
| 284 | |

Estimated Time of Use of Spring (hrs)
555

| | Approximate Monthly Spring Flow (gal) |
|---|---------------------------------------|
| Ī | 9,450,540 |

| | Monthly Pump Hours |
|----------------|--------------------|
| Booster Pump 1 | Booster Pump 2 |
| 32 | 32 |

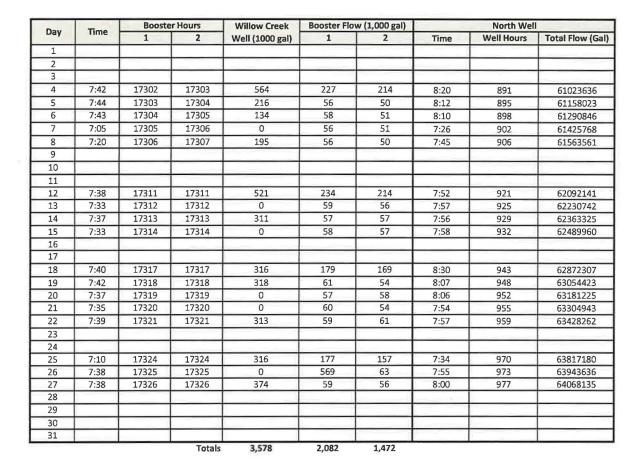
| Mon | thly Amount Pumped (gal |
|----------------|-------------------------|
| Booster Pump 1 | Booster Pump 2 |
| 1,916,000 | 1,963,000 |

| Ave | rage Pumping Rate (gpm) |
|----------------|-------------------------|
| Booster Pump 1 | Booster Pump 2 |
| 998 | 1,022 |

| Monthly Average Da | ily Use (Gal) |
|------------------------|---------------|
| Booster Total (gal) | 3,879,000 |
| North Well Total (gal) | 4,464,191 |
| Spring Total (gal) | 9,450,540 |
| Monthly Total | 17,793,731 |
| Average Daily Total | 573,991 |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 4,303,000 |

Month: Nov-1





| Days Measured | |
|---------------|--|
| 24 | |

| Average Flow from Spring (gpm)* | |
|---------------------------------|---|
| 270 | Π |

| 8 | Estimated Time of Use of Spring (hrs) |
|---|---------------------------------------|
| | 443 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 7,176,600 |

| Monthly Pump Hours | |
|--------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 24 | 23 |

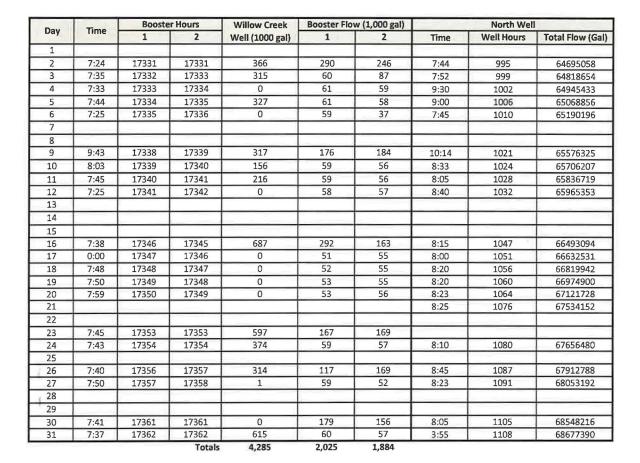
| Monthly Amount Pumped (ga | |
|---------------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 2,082,000 | 1,472,000 |

| Average Pumping Rate (gpm | |
|---------------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 1,446 | 1,067 |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 3,554,000 | |
| North Well Total (gal) | 3,044,499 | |
| Spring Total (gal) | 7,176,600 | |
| Monthly Total | 13,775,099 | |
| Average Daily Total | 573,962 | |

| Amount Pumped | from Willow Creek Well |
|---------------|------------------------|
| 3. | .578.000 |

Month: Dec-19





| Days Measured | - |
|---------------|---|
| 30 | |

| Average Flow from Spring (gpm)* | |
|---------------------------------|--|
| 286 | |

Estimated Time of Use of Spring (hrs) 545

| Approximate | Monthly Sprin | g Flow | (gal) |
|-------------|---------------|--------|-------|
| 3907- | 9,352,200 | | |

| Monthly Pump Hours | | |
|--------------------|----------------|--|
| Booster Pump 1 | Booster Pump 2 | |
| 31 | 31 | |

| Monthly Amount Pumped (ga | |
|---------------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 2,025,000 | 1,884,000 |

| Average Pumping Rate (gpm | | |
|---------------------------|----------------|--|
| Booster Pump 1 | Booster Pump 2 | |
| 1,089 | 1,013 | |

| Monthly Average Daily Use (Gal) | | |
|---------------------------------|------------|--|
| Booster Total (gal) | 3,909,000 | |
| North Well Total (gal) | 3,982,332 | |
| Spring Total (gal) | 9,352,200 | |
| Monthly Total | 17,243,532 | |
| Average Daily Total | 574,784 | |

| Amount Pumped | from Willow Creek Well |
|----------------------|------------------------|
| 4, | 285,000 |



City of Victor - Water Volume Data Summary Sheet

1.0 Systemwide Volume Summary Sheet

| Bearing . | Month | | | | | | | | | | | | |
|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Metric | January | February | March | April | May | June | July | August* | September | October | November | December | Totals |
| Booster Flow (gal) | 7,900,000 | 8,269,000 | 7,410,000 | 7,119,000 | 4,251,000 | 7,090,000 | 17,746,000 | 9,509,000 | 4,030,000 | 3,879,000 | 3,554,000 | 3,909,000 | 84,666,000 |
| North Well Volume Pumped (gal) | | | | | | | | 8,702,400 | 13,260,096 | 4,464,191 | 3,044,499 | 3,982,332 | 33,453,518 |
| Spring Flow (gal) | 9,687,600 | 8,988,000 | 9,757,386 | 11,737,140 | 12,800,844 | 10,490,940 | 8,385,000 | 6,537,300 | 4,605,300 | 9,450,540 | 7,176,600 | 9,352,200 | 108,968,850 |
| Period Total (gal) | 17,587,600 | 17,257,000 | 17,167,386 | 18,856,140 | 17,051,844 | 17,580,940 | 26,131,000 | 24,748,700 | 21,895,396 | 17,793,731 | 13,775,099 | 17,243,532 | 227,088,368 |
| Days Measured | 30 | 28 | 28 | 30 | 30 | 25 | 31 | 29 | 28 | 31 | 24 | 30 | 344 |
| Average Daily Flow (gpd) | 586,253 | 616,321 | 613,121 | 628,538 | 568,395 | 703,238 | 842,935 | 853,403 | 781,978 | 573,991 | 573,962 | 574,784 | |

*The North Well was incorporated into the system on August 13th.

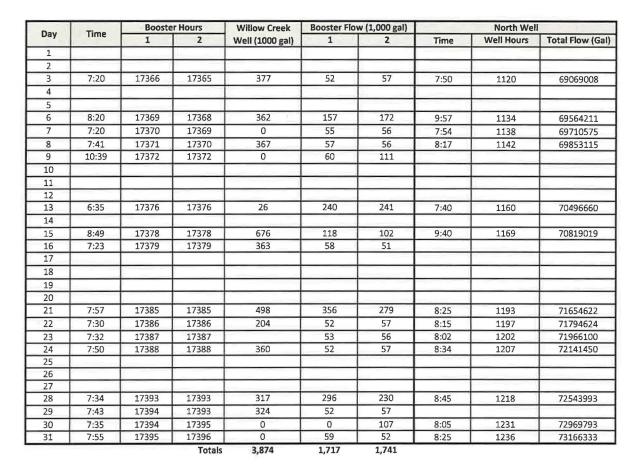
2.0 Systemwide Demand Summary Sheet

| System Demand | Amount |
|---|-----------|
| Annual Average Daily Demand (gpd) | 660,141 |
| Average Annual Daily Demand (gpm) | 458 |
| Number of ERU's in 2019 | 1,140 |
| Average Monthly Usage per ERU (gal per month) | 17,613 |
| Max Daily Demand Peaking Factor | 1.8 |
| Max Daily Demand (gpd) | 1,188,253 |
| Max Daily Demand (gpm) | 825 |
| Max Instantaneous Hour Flow Peaking Factor | 3.1 |
| Max Instantaneous Hour Flow (gpm) | 1,421 |
| Fire Flow Demand | Amount |
| Fire Flow Requirment (gpm) | 1,500 |
| Peak Daily Demand + Fire Flow (gpm) | 2,325 |
| Peak Daily Demand + Fire Flow (cfs) | 5.18 |

3.0 North Well Volume Estimates

| System Totals for Water Pumped (Excluding Spr | ing Totals) |
|---|-------------|
| Total Volume Pumped (gal) | 118,119,518 |
| Number of Days Measured | 344 |
| Average Annual Daily Volume (gal) | 343,371 |
| Total Estimated Annual Volume (gal) | 125,330,303 |
| Recorded Max Daily Volume - July (gal) | #REF! |
| Calculated Max Daily Volume Peaking Factor | #REF! |
| North Well Estimated Totals | |
| Percentage of North Well | 51% |
| Total Estimated North Well Annual Volume (gal) | 63,918,454 |
| Total Estimated Average Annual Daily Volume (gal) | 175,119 |
| Max Daily Volume Peaking Factor from Above | 1.8 |
| Estimated Max Daily Volume (gal) | 315,214 |

Month: January-20





| Days Measured | |
|---------------|--|
| 29 | |

| Average | Flow from Spring (gpm)* | |
|---------|-------------------------|--|
| | 301 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 520 |

| Approximate Monthly Spring Flow (gal) |
|---------------------------------------|
| 9,391,200 |

| Monthly Pump Hours | | |
|--------------------|----------------|--|
| Booster Pump 1 | Booster Pump 2 | |
| 29 | 31 | |

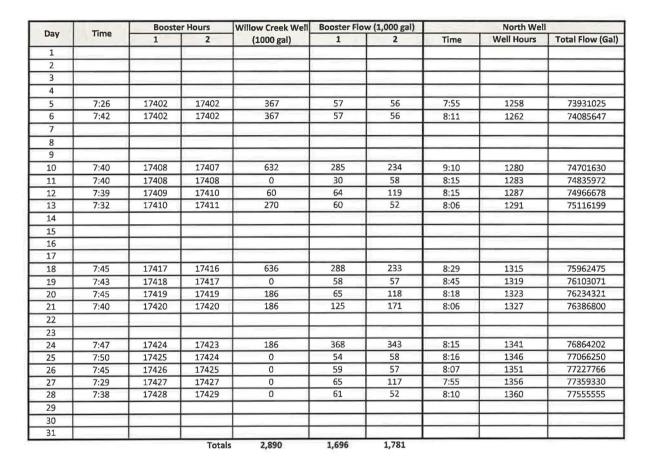
| Monthly Amount Pumped (gal | | | |
|----------------------------|----------------|--|--|
| Booster Pump 1 | Booster Pump 2 | | |
| 1,717,000 | 1,741,000 | | |

| Average Pumping Rate (gpm) | | | |
|----------------------------|----------------|--|--|
| Booster Pump 1 | Booster Pump 2 | | |
| 987 | 936 | | |

| Monthly Average Daily Use (Gal) | | | | |
|---------------------------------|------------|--|--|--|
| Booster Total (gal) | 3,458,000 | | | |
| North Well Total (gal) | 4,097,325 | | | |
| Spring Total (gal) | 9,391,200 | | | |
| Monthly Total | 16,946,525 | | | |
| Average Daily Total | 584,363 | | | |

| Amount Pumped from Willow Creek Well |
|--------------------------------------|
| 3,874,000 |

Month: February-20





| Days Measured | |
|---------------|--|
| 24 | |

| Average Flow from Spring (gpm)* | |
|---------------------------------|--|
| 306 | |

| Estimated Time of Use of Spring (hrs) |
|---------------------------------------|
| 421 |

| Approximate Monthly Spring Flow (ga | |
|-------------------------------------|-----------|
| | 7,729,560 |

| | Monthly Pump Hours |
|----------------|--------------------|
| Booster Pump 1 | Booster Pump 2 |
| 26 | 27 |

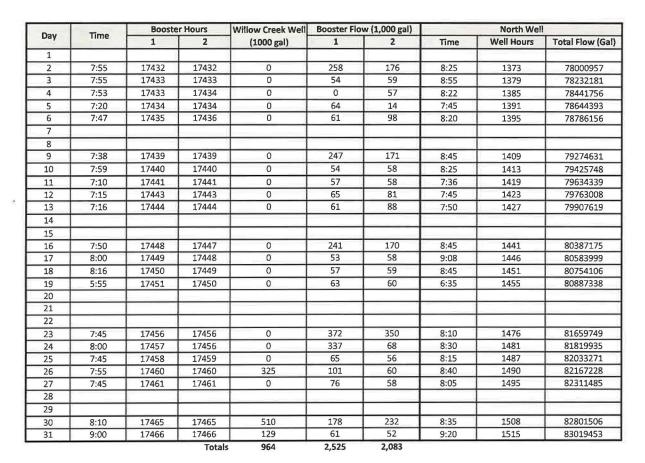
| Mont | thly Amount Pumped (ga |
|----------------|------------------------|
| Booster Pump 1 | Booster Pump 2 |
| 1,696,000 | 1,781,000 |

| Ave | erage Pumping Rate (gpm) |
|----------------|--------------------------|
| Booster Pump 1 | Booster Pump 2 |
| 1,087 | 1,099 |

| Monthly Average Daily Use (Gal) | |
|---------------------------------|------------|
| Booster Total (gal) | 3,477,000 |
| North Well Total (gal) | 3,624,530 |
| Spring Total (gal) | 7,729,560 |
| Monthly Total | 14,831,090 |
| Average Daily Total | 617,962 |

| Amount Pumped | from Willow Creek Well |
|----------------------|------------------------|
| 2 | .890.000 |

Month: March-20





| Days Measured | |
|---------------|--|
| 30 | |

| Average Flow from Spring (gpm)* | |
|---------------------------------|--|
| 321 | |

| Estimated Time of Use of Spring (hrs. |
|---------------------------------------|
| 510 |

| | Approximate Monthly Spring Flow (gal) | |
|---|---------------------------------------|--|
| Ī | 9,822,600 | |

| Monthly Pump Hours | |
|--------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 34 | 34 |

| Monthly Amount Pumped (gal | |
|----------------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 2,525,000 | 2,083,000 |

| Average Pumping Rate (gpm | |
|---------------------------|----------------|
| Booster Pump 1 | Booster Pump 2 |
| 1,238 | 1,021 |

| Monthly Average Da | ly Use (Gal) |
|------------------------|--------------|
| Booster Total (gal) | 4,608,000 |
| North Well Total (gal) | 5,018,496 |
| Spring Total (gal) | 9,822,600 |
| Monthly Total | 19,449,096 |
| Average Daily Total | 648,303 |

| Amount Pumped | from Willow Creek Well |
|----------------------|------------------------|
| c | 964.000 |



State of Idaho DEPARTMENT OF WATER RESOURCES

322 East Front Street P.O. Box 83720 • Boise, Idaho 83720-0098 Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

GARY SPACKMAN Director

May 13, 2020

CITY OF VICTOR PO BOX 122 VICTOR ID 83455-0122

PROOF ACKNOWLEDGEMENT LETTER

RE: Permit No. 22-13265

Dear Permit Holder(s):

The Department acknowledges receipt of the Proof of Beneficial Use form ("proof") and license examination fee for the above-referenced water right permit. Enclosed is an order that reinstates this permit since proof and the license examination fee were submitted after the proof deadline. Please note that the priority date for this permit has been advanced to **April 29, 2003**, as provided in section 42-218a(2), Idaho Code.

The next step in the process of developing a water right is for the Department to conduct a field examination to determine and confirm the use being made of the water according to the conditions of the permit.

Please be advised that Section 42-248, Idaho Code, requires you or the owner of this water right to maintain current ownership and address records on file with the Department. Forms to file a change of ownership of a water right and/or a change in the address of the water right owner are available from any Department office or at the Department's website at www.idwr.idaho.gov.

If you have any questions concerning the field examination, please contact the Eastern Region Office of the Department located in Idaho Falls at (208) 525-7161.

Sincerely,

Debbi Judd

Technical Records Specialist

Enclosure(s)