

***SHEEP CREEK WATER COMPANY  
REGULAR BOARD OF DIRECTORS MEETING  
September 16, 2021 ~ 6:00 PM  
SHEEP CREEK WATER COMPANY – via Zoom  
4200 Sunnyslope Rd., Phelan, CA 92371***

The Sheep Creek Water Company Regular Board of Directors Meeting will be held via Zoom Meeting for Shareholder participation. Shareholders may access the meeting remotely with the following options.

**Remote Participation Information:**

**Zoom:** <https://us02web.zoom.us/j/83603390344?pwd=TnlLd1ZBbCtjbEZqOUFZcXNjYzV5dz09>

Meeting ID: 836 0339 0344

Passcode: 249679

**One tap mobile**

+ 16699006833,,83603390344#,,, \*249679# US (San Jose)

**Dial-In**

(669) 900-6833

Meeting ID: 836 0339 0344

Passcode: 249679

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***AGENDA***

- 1) **Open Meeting- 6:00 PM**
  - a. Flag Salute
  - b. Invocation
- 2) **Consent Motions**
  - a. Minutes:
    - i. *Regular Board of Directors Meeting- August 19, 2021*
  - b. Bills:
    - i. *August 19, 2021 through September 16, 2021*
  - c. Managers' Report: Included in Board Packet
- 3) **Open Forum/Public Comment-** Under this item any member of the Board or Public may address the Board on any item relating to the company not listed on this agenda. However, the Board is prohibited under AB 240 from taking any action on an item not appearing on the agenda. Board president will call on each participant and at that time you have three (3) minutes to speak.
- 4) **Old Business**
  - a. System Update
  - b. PPHCSD Consolidation Update

5) **New Business**

6) **Next Scheduled Meeting**

- a. October 21, 2021 via Zoom
- b. November 18, 2021 via Zoom

7) **Closed Session**

- a. Employee Evaluation

8) **Adjournment**

***SHEEP CREEK WATER COMPANY***  
***Regular Board of Directors Meeting***  
***August 19, 2021 ~ 6:00pm***  
***Sheep Creek Water Company ~ Board Room via Zoom***  
***4200 Sunnyslope Road, Phelan, CA 92371***

The Regular Board of Directors Meeting of August 19, 2021, was called to order at 6:08pm by Andy Zody. Chris Cummings led in the Pledge of Allegiance and David Nilsen led in the Invocation. Mr. Zody reminded everyone that all Board Meetings are recorded for accurate meeting minutes.

***Directors Present:*** President Andy Zody, Secretary/Treasurer Kellie Williams, and Director's David Nilsen and Luanne Uhl were present at tonight's meeting.

***Staff Present:*** General Manager, Chris Cummings was present.

***Guests Present:*** There were no guest's at tonight's meeting.

**Consent Motions:**

**Minutes:** Regular Board of Directors Meeting of July 22, 2021

**Bills:** July 22, 2021 through *August 19, 2021*

**Manager's Report:** August 19, 2021

David Nilsen moved to accept the Consent Motions as presented by Chris Cummings. Kellie Williams seconded the motion. Motion carried.

**Open Forum:** *Under this item, any member of the Board or Public, may address the Board on any item related to the company that is not listed on this agenda. However, the Board is prohibited under AB240 from taking any action on an item not appearing on the agenda. The Board President will call on each participant, and at that time, they will have three (3) minutes to speak.*

**Old Business:**

***a.) System Update:*** Static water levels over the past three months have dropped between 9-16 feet, with steady decline weekly. Well levels are being monitored weekly. Wells 2A and 5 continue to run an average of 12 hours a day. Well 11 is running between 8 – 14 hours a day. Water usage is averaging 740,000 thousand gallons per day with a 9% increase in consumption and 1% decreased in production. The Tunnel is flowing at 136 gallons per minute with total pumping capacity down at 1,744 gallons per minute.

The Cross Connection Survey as required by the SWRCB Sanitary Survey, has been rescheduled for mid-September. The Cross Connection Survey is being completed by the IEC Engineer as part of the Technical Assistance for the Consolidation project.

The engineering for the Phelan Road widening project is starting. System facilities maps are being gathered to send to the County Engineer. At this time we do not know what facilities are in conflict and will need moved or replaced. Sheep Creek is working on a project for an emergency connection with PPHCSD at Valle Vista and Snowline. This project has been a needed job for both districts, regardless of consolidation. Both water companies have outage issues and the emergency connection will help eliminate water outages. The Nilsen Tract has only one feed from the office and when there is a break or a project 100 plus services go out of water along with water waste.

***b.) PPHCSD Consolidation Update:*** Despite the unknown outcome of the water rights issue, the remaining construction engineering and grant applications of the consolidation project are ongoing for the possible connection points, the cross connection survey has been scheduled

to begin August 31, 2021. Meter Service GPS recording is scheduled for later in September. IEC is beginning to prepare the Grant Application and Sheep Creek will be listed as Grant Recipient.

IEC has contracted with water rights attorneys O'Laughlin and Paris LLP, in Sacramento. They specialize in Water Law and Water Rights. This firm has no affiliation with PPHCSD and will be a third party. Ernie has not given a proposal or budget at this time. Along with the Plan for the Moratorium, the Consolidation Committee will need to begin meeting with PPHCSD and continue with areas of the negotiations for the grant application. The engineer will send a list of items that will need to be discussed. A plan is still being prepared for the consolidation committee to review and submit to PPHCSD for an option to help offset the Service Connection Moratorium.

#### **New Business:**

*a.) Review of Administration Fees:* Stock Transfer fee is currently at \$18 per transfer. It is recommended that the fee be raised to \$22. The Stock Transfer Fee cannot be changed without Shareholder approval and a By-Law change. At this time, the Manager recommends an optional fee of \$8 be added to the transfer form if a Shareholder chooses to have their Certificate mailed Certified.

The Lost Certificate fee is currently \$15 and is sufficient at this time.

The Return Check fee is currently \$20.00 with an estimated cost of \$19.00. This fee is sufficient at this time.

The Reconnect fee is currently \$60 per reconnect with an average cost of \$51 per reconnect. The current reconnect fee is sufficient.

The Manager's recommendation would be to add the cost of the certified mail to the transfer fee. David Nilsen moved to accept the Manager's recommendation to add the additional charge of \$8.00 for customers that request to have their Stock Certificates delivered to them by Certified Mail,. Luanne seconded the motion. Motion carried.

#### **Next Scheduled Meetings:**

*a.) September 16, 2021 via Zoom*

*b.) October 21, 2021 via Zoom*

#### **Adjournment:**

David Nilsen moved to adjourn the meeting. Kellie Williams seconded the motion. Motion carried. The Regular Board of Directors Meeting of August 19, 2021, adjourned at 6:25pm.

**Respectfully Submitted,**

***Kellie Williams***

*Sheep Creek Water Company*

*Board of Directors*

*Secretary/Treasurer*

***ac***

# ***Sheep Creek Water Company***

***4200 Sunnyslope Rd.***

***P.O. Box 291820***

***Phelan, CA 92329-1820***

***Office (760) 868-3755/Fax (760) 868-2174***

***Email [sheepcreek@verizon.net](mailto:sheepcreek@verizon.net) / [www.sheepcreekwater.com](http://www.sheepcreekwater.com)***

## **Regular Board of Directors Meeting – Managers Report**

September 16, 2021

### **PRODUCTION**

- August Production- 68.59 AF- 42% decrease from 2013 & 4% increase from 2020
- August Usage- 57.55 AF- 42% decrease from 2013 & 3% increase from 2020

### **Well soundings Since May 1, 2021:**

- Static Water Levels at this time have had a steady decline:
  - Well 2A** static level is down 20.79 feet - 327 gpm
  - Well 3A** static level is down 18.48 feet - 288 gpm
  - Well 4A** static level is down 13.86 feet - 212 gpm
  - Well 5** static level is down 23.10 feet - 289 gpm
  - Well 8** static level is down 13.86 feet- 273 gpm
  - Well 11** static level is down 2 feet- gpm varies on water usage 130 - 290 gpm
- Tunnel** the Tunnel flow is currently averaging 137 gpm
- Water levels over the past month have dropped between 2 – 5 feet.
- Well 5, 2A are running an average of 13 hours a day, Well 11 averaging 8 hours a day.
- Total Pumping capacity as of August 31, 2021 is 1,777 gpm.
- Current usage is averaging 730,000 gallons per day.
- **Allotment Tier 1 – First share on account remain 750 CF/Share and Remaining shares 150 CF/Share. \$0.50 per hcf**
- **Allotment Tier 2 – 150 CF/Share all shares after Tier 1 \$3.46 per hcf**
- **Tier 3 Overage- No Allotment \$6.32 per hcf**

### **Work Completed or in Progress-**

- Work orders as office requests
- Well Soundings- weekly
- Cla-Val station inspections- Regulator 2 rebuilt
- 5 Meter Upgrades
- 2 Mainline Leaks/ 2- Service Line Leak
- SWRCB Order NO. 05-13-21D-004 received July 2, 2021
  - Weekly Water Level & Production Reporting- Completed
- SWRCB Sanitary Survey- Update Letters Sent 4-16-21, 4-27-21, 6-21-21, 8-23-21
  - Cross Connection Survey field inspection- completed
  - Water main replacement plan- In Progress
- PPHCSD Consolidation-
  - Monthly update meeting PPHCSD, SWRCB DFA, Sacramento State- Office of Water Programs- Work plan has been executed, engineering design moving forward.
  - Water Right analysis being completed by O'Laughlin and Paris LLP
  - Engineer data collection request- In Progress
    - Service connection, backflow information- Completed July 23
    - Tunnel Inspection- SCWC delayed until October 2021
    - System pressures- various locations completed
    - Meter GPS locations- In Progress
    - Cross Connection Survey- In Progress

## SHEEP CREEK WATER COMPANY

September 7, 2021

Well Number	Date	Year Well Drilled/ Serviced	Total Well Depth Ft	Pump Depth Ft	Static Level Ft	Pumping Level Ft	Water above Pump Pumping Ft	Water above Pump Static Ft	Draw Down	Yield Gallons per Foot	GPM 24 Hour Average	
	<b>8/9/21</b>											
2A	50hp	2011	725	505	283.24	297.1	<b>207.9</b>	<b>221.76</b>	14	24.03	333	53.5hz
3A	100hp	2002	500	460	284.44	295.99	<b>164.01</b>	<b>175.56</b>	12	27.45	317	47hz
4A	150hp	2004	500	440	294.47	301.4	<b>138.6</b>	<b>145.53</b>	7	37.23	258	47hz
5	40hp	2014	520	420	292.95	299.88	<b>120.12</b>	<b>127.05</b>	7	42.86	297	57.5hz
8	150hp	2004	480	440	324.5	342.98	<b>97.02</b>	<b>115.5</b>	18	18.02	333	55.5.hz
11	150hp	2018	1480	1100	949	979	<b>121</b>	<b>151</b>	30	8.37	251	53hz
	<b>8/23/21</b>											<b>1,789</b>
2A	50hp	2011	725	505	285.55	297.1	<b>207.9</b>	<b>219.45</b>	12	28.83	333	53.5hz
3A	100hp	2002	500	460	284.44	295.99	<b>164.01</b>	<b>175.56</b>	12	27.45	317	47hz
4A	150hp	2004	500	440	294.47	301.4	<b>138.6</b>	<b>145.53</b>	7	37.23	258	47hz
5	40hp	2014	520	420	295.26	302.19	<b>117.81</b>	<b>124.74</b>	7	42.86	297	57.5hz
8	150hp	2004	480	440	324.5	342.98	<b>97.02</b>	<b>115.5</b>	18	18.02	333	55.5.hz
11	150hp	2018	1480	1100	949	979	<b>121</b>	<b>151</b>	30	8.37	251	53hz
	<b>8/30/21</b>											<b>1,789</b>
2A	50hp	2011	725	505	290.17	301.72	<b>203.28</b>	<b>214.83</b>	12	28.83	333	53.5hz
3A	100hp	2002	500	460	289.06	295.99	<b>164.01</b>	<b>170.94</b>	7	45.74	317	47hz
4A	150hp	2004	500	440	296.78	301.4	<b>138.6</b>	<b>143.22</b>	5	55.84	258	47hz
5	40hp	2014	520	420	297.57	302.19	<b>117.81</b>	<b>122.43</b>	5	64.29	297	57.5hz
8	150hp	2004	480	440	324.5	342.98	<b>97.02</b>	<b>115.5</b>	18	18.02	333	55.5.hz
11	150hp	2018	1480	1100	949	979	<b>121</b>	<b>151</b>	30	8.37	251	53hz
	<b>9/7/21</b>											<b>1,789</b>
2A	50hp	2011	725	505	287.86	301.72	<b>203.28</b>	<b>217.14</b>	14	24.03	333	53.5hz
3A	100hp	2002	500	460	289.06	302.92	<b>157.08</b>	<b>170.94</b>	14	22.87	317	47hz
4A	150hp	2004	500	440	296.78	308.33	<b>131.67</b>	<b>143.22</b>	12	22.34	258	47hz
5	40hp	2014	520	420	299.88	304.5	<b>115.5</b>	<b>120.12</b>	5	64.29	297	57.5hz
8	150hp	2004	480	440	329.12	342.98	<b>97.02</b>	<b>110.88</b>	14	24.03	333	55.5.hz
11	150hp	2018	1480	1100	949	979	<b>121</b>	<b>151</b>	30	8.37	251	53hz
TUNNEL												137
TOTAL PRODUCTION												1,926

MSEXCELWELLDEPTHS21

**From:** kleong@ardurra.com,

**To:** dsalgado@ardurra.com, maureen.kerner@owp.csus.edu, aczajkowski@ardurra.com, crossn@csus.edu, David.Chan@Waterboards.ca.gov, dbartz@pphcsd.org, gcardenas@pphcsd.org, hector.cazares@waterboards.ca.gov, joakes@pphcsd.org, Karen.Nishimoto@waterboards.ca.gov, kim.dinh@waterboards.ca.gov, kward@pphcsd.org, lawrence.sanchez@waterboards.ca.gov, Sean.McCarthy@waterboards.ca.gov, Omid.Rabbani@waterboards.ca.gov, rweber@ardurra.com, sheepcreek@verizon.net, joel.shinneman@owp.csus.edu, swright@pphcsd.org, thomas.nguyen@waterboards.ca.gov,

**Cc:** kevin.murphy@owp.csus.edu, caitlyn.leo@owp.csus.edu,

**Subject:** RE: AR 6214 Sheep Creek - 9/2/21 agenda

**Date:** Fri, Sep 3, 2021 7:16 am

**Attachments:** 6214 Sheep Creek WC Contact Mtg Attendees List.xlsx (54K),

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Hi All,

Here are the meeting notes from yesterday's meeting.

1. Attendance

- a. See attached spreadsheet. Attendees are highlighted green

2. Work Plan Implementation Status

a. General Package

- i. PPHCSD will be the applicant receiving funding and will be the responsible party
- ii. Grant funding request – cost estimate created for grant funding application. Values are based on an asset evaluation completed for SCWC. Water rights were estimated to be approximately \$13 million and assets to be \$10.8 million. Per meeting with SCWC, PPHCSD, and DDW, water rights were negotiated down to \$8 million and SCWC infrastructure would be transferred to PPHCD with the condition that there will be no connection fees.
- iii. Dave Nelson – requests a written agreement ASAP regarding the value of the water rights and transferring of SCWC infrastructure to PPHCSD on the condition of no connection fees to present to the shareholders for approval.

b. Technical Package

- i. Ardurra currently working on building and calibrating SCWC water model and will merge with PPHCWD model. Will run various scenarios such as fire flow and pressure zones to determine the needs of the system for the project.

c. Environmental Package – no update

d. Financial Package – no update

e. Schedule

- i. Draft Water Rights TM to be completed in October for review/comments
- ii. Draft Hydraulic TM to be completed in mid-November for review/comments

3. Corrective Action Status

- a. State held meeting with SCWC on revising the Corrective Action Plan. SCWC holding off until water rights funding and then will revise the corrective action status and compliance order for consolidation

4. Water Rights

- a. State approved fee for the TM which will come from the Work Plan's contingency funds.
- b. Ardurra to meet with SCWC and PPHCSD this month to receive input on the draft TM prior to submitting the draft to the State.
- c. Once reviewed/received comments from State, final TM will be submitted and move towards action on water rights funding and availability

5. Other – none

6. Action Items – none

Thanks,

**Kaitlyn Leong**

Project Engineer

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## IEC is now Ardurra

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**From:** Dolores Salgado <dsalgado@ardurra.com>

**Sent:** Thursday, September 2, 2021 9:09 AM

**To:** Kerner, Maureen <maureen.kerner@owp.csus.edu>; Amy Czajkowski <aczajkowski@ardurra.com>; Cross, Nadine M <crossn@csus.edu>; David.Chan@Waterboards.ca.gov; dbartz@pphcsd.org; gcardenas@pphcsd.org; hector.cazares@waterboards.ca.gov; joakes@pphcsd.org; Karen.Nishimoto@waterboards.ca.gov; kim.dinh@waterboards.ca.gov; kward@pphcsd.org; Lawrence Sanchez <lawrence.sanchez@waterboards.ca.gov>; McCarthy, Sean@Waterboards

<Sean.McCarthy@waterboards.ca.gov>; Omid.Rabbani@waterboards.ca.gov; Rob Weber <rweber@ardurra.com>; sheepcreek@verizon.net; Shinneman, Joel <joel.shinneman@owp.csus.edu>; swright@pphcsd.org; thomas.nguyen@waterboards.ca.gov; Kaitlyn Leong <kleong@ardurra.com>

**Cc:** Murphy, Kevin <kevin.murphy@owp.csus.edu>; Leo, Caitlyn <caitlyn.leo@owp.csus.edu>

**Subject:** RE: AR 6214 Sheep Creek - 9/2/21 agenda



Hi Everyone,

I attached a few items in advance of our meeting this morning:

1. Draft summary of estimated funding request
2. Progress meeting minutes for design team meeting held 8/18/2021
3. Project schedule
4. Milestones and Key Decision Points



**Dolores Salgado, P.E.**

Senior Project Manager

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**From:** Kerner, Maureen <[maureen.kerner@owp.csus.edu](mailto:maureen.kerner@owp.csus.edu)>

**Sent:** Tuesday, August 31, 2021 1:50 PM

**From:** maureen.kerner@owp.csus.edu,

**To:** aczajkowski@iecorporation.com, crossn@csus.edu, David.Chan@Waterboards.ca.gov, dbartz@pphcsd.org, dsalgado@iecorporation.com, gcardenas@pphcsd.org, hector.cazares@waterboards.ca.gov, joakes@pphcsd.org, Karen.Nishimoto@waterboards.ca.gov, kim.dinh@waterboards.ca.gov, kward@pphcsd.org, lawrence.sanchez@waterboards.ca.gov, Sean.McCarthy@waterboards.ca.gov, Omid.Rabbani@waterboards.ca.gov, rweber@iecorporation.com, sheepcreek@verizon.net, joel.shinneman@owp.csus.edu, swright@pphcsd.org, thomas.nguyen@waterboards.ca.gov,

**Cc:** kevin.murphy@owp.csus.edu, caitlyn.leo@owp.csus.edu,

**Subject:** AR 6214 Sheep Creek - 9/2/21 agenda

**Date:** Tue, Aug 31, 2021 1:49 pm

**Attachments:** 6214 Sheep Creek WC Contact & Mtg Attendees List.xlsx (50K),

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Hello Sheep Creek Team,

I will be at a funeral during our call this Thursday at 11 am, but my colleague, Kevin Murphy, will be on the call for support. Dolores of IEC will be leading the meeting. The agenda is below.

I've also included our meeting notes from August 5 for your reference, along with updates in red text.

1. Attendance
2. Work Plan Implementation Status
  - a. General Package
  - b. Technical Package
  - c. Environmental Package
  - d. Financial Package
  - e. Schedule
3. Corrective Action Status
4. Water Rights
5. Other
6. Action Items

*Maureen*

*916-278-8117 (Office)*

*916-945-6246 (Mobile)*

**From:** Kerner, Maureen

**Sent:** Monday, August 9, 2021 1:35 PM

**To:** Amy Czajkowski <aczajkowski@iecorporation.com>; Cross, Nadine M <crossn@csus.edu>; David.Chan@Waterboards.ca.gov; dbartz@pphcsd.org; Dolores Salgado <dsalgado@iecorporation.com>; gcardenas@pphcsd.org; hector.cazares@waterboards.ca.gov; joakes@pphcsd.org;

Karen.Nishimoto@waterboards.ca.gov; kim.dinh@waterboards.ca.gov; kward@pphcsd.org; Lawrence Sanchez <lawrence.sanchez@waterboards.ca.gov>; Omid.Rabbani@waterboards.ca.gov; Rob Weber <rweber@iecorporation.com>; sheepcreek@verizon.net; Shinneman, Joel <joel.shinneman@owp.csus.edu>; swright@pphcsd.org; thomas.nguyen@waterboards.ca.gov; McCarthy, Sean@Waterboards <Sean.McCarthy@waterboards.ca.gov>

**Subject:** RE: AR 6214 Sheep Creek - 8/5/21 agenda

Here are today's meeting notes.

1. Attendance

- a. See attached spreadsheet. Attendees are highlighted green.

2. Work Plan Implementation Status

- a. General Package – IEC received package templates and will start populating the general package this week.
- b. Technical Package – IEC held a kickoff meeting with SCWC & PPHCSD & submitted meeting notes to Water Board team. IEC now working on data collection and hydraulic modeling to assess/develop system compatibility.
- c. Environmental Package – Not yet started. Awaiting for project details to be defined.
- d. Financial Package – Not yet started. OWP contact Dolores for data needs. **Caitlyn Leo will be the OWP contact for this effort.**
- e. Schedule – Dolores to review deliverables schedule in work plan and propose new dates. Maureen to work on work plan amendment to extend project term (currently ends 2/28/22), revise deliverable dates, and add water rights assessment to scope (see #5 below). **Dolores submitted new dates. Amendment not needed to add water rights services – will use contingency fund from original work plan. OWP & IEC coordinating contractually. A work plan amendment will need develop to extend the 2/28/22 end date once the Water Board-UEI Agreement has been extended.**

3. LAFCO

- a. Team confirmed that LAFCO coordination is not required.

4. Corrective Action Status

- a. SCWC currently has a corrective action to install wells. Chris Cummings is gathering information to send Water Board regarding consolidation plans and will coordinate with Hector to receive a revised correction action requirement.

5. Water Rights

- a. IEC submitted proposal to complete a water rights assessment. OWP is reviewing and may need itemized costs. Maureen to follow up with Dolores. Services & budget approved. **OWP & IEC coordinating contractually.**
- b. Lawrence noted the proposal seemed thorough, and reminded IEC to included discussion on types of water rights involved. The Water Board needs to ensure that the appropriate water rights are being transferred.
- c. David Nelson, SCWC board member, noted that the board and community very firmly believe that all SCWC water rights need to go to PPHCSD in order to ensure adequate water supply.

6. Other – no items identified.

7. Action Items

- a. Maureen to distribute meeting notes **Done.**
- b. IEC to continue working on General & Tech Packages
- c. Maureen to coordinate with Dolores re: data needs for financial package **Caitlyn Leo of OWP to reachout.**
- d. Dolores to review work plan schedule and propose new dates **Done.**
- e. Maureen to review IEC proposal for Water Rights Assessment **Done. Approved. OWP & IEC coordinating contractually**
- f. Dolores to coordinate with Lawrence if clarification is needed for Water Rights Assessment
- g. Chris Cummings to provide Hector information regarding consolidation for DDW to revise corrective action.
- h. Next Meeting: September 5, 11 am



**Maureen Kerner**

Associate Director

[OWP EFC | Sacramento State](#)

916-278-8117 | Cell: 916-945-6246

[maureen.kerner@owp.csus.edu](mailto:maureen.kerner@owp.csus.edu)

**SAFER Fund Work Plan No. AR6214-A**  
**Sheep Creek Water Company Water Consolidation Project**  
**Estimated Grant Funding Request**

Item No.	Description	Subtotal
<b>Other Costs (State to determine funding)</b>		
1	SCWC Assets (Water Rights) <sup>1</sup>	\$ 13,030,000
2	SCWC Assets (Existing Infrastructure) <sup>2</sup>	\$ 10,820,000
	<b>Other Costs (State to determine funding)</b>	<b>\$ 23,850,000</b>
<b>Grant Application Funding Request</b>		
3	Construction Costs	\$ 5,300,000
4	Construction Support and Administration <sup>3</sup>	\$ 243,900

Subtotal \$ 5,543,900

20% Contingency \$ 1,108,800

**Grant Application Funding Request \$ 6,652,700**

<sup>1</sup> Per 2019 SCWC Appraisal report, water rights appraised at \$13,030,000. Per 9/23/2020 meeting with SCWC, PPHCSD, and DDW, the SCWC board stated negotiable to a minimum of \$8,000,000.

<sup>2</sup> Per 2019 SCWC Appraisal report prepared by Valuation Source. Per 9/23/2020 meeting with SCWC, PPHCSD, and DDW, SCWC infrastructure would be transferred in exchange for no connection fees.

<sup>4</sup> Construction Support and Administration, Assume 250 calendar days	Rate	Hours	
Construction Support - Administration/Labor Compliance	\$ 110	100	\$ 11,000
Construction Support - Inspection	\$ 160	600	\$ 96,000
Construction Support - Construction Manager	\$ 205	180	\$ 36,900
Engineering Services During Construction			\$ 70,000
Other Direct Costs; Hotel and mileage at a weekly rate of \$850/wk for 32 weeks			\$ 30,000
		<b>Total</b>	<b>\$ 243,900</b>

**SCWC Assets**

Water Rights	\$13,030,000
Total asset value (including \$13mil water right)	\$23,850,000
Total asset value (excluding \$13mil water right)	\$10,820,000

**MEETING MINUTES**  
**AR6214-A Sheep Creek Water Company**  
**Water Consolidation Project**

Date/Time: August 18, 2021, 9:00am-10:00am

Location: 4176 Warbler Road, Phelan, CA 92329 & Zoom

Attendees:

George Cardenas, PPHCSD	gcardenas@pphcsd.org	Engineering Manager
Sean Wright, PPHCSD	swright@pphcsd.org	Operations Manager
Jenn Oaks, PPHCSD	joakes@pphcsd.org	Operations Administrator
Chris Cummings, SCWC	sheepcreek@verizon.net	General Manager
Mike Siaz, SCWC		Field Supervisor
Dolores Salgado, Ardurra	dsalgado@ardurra.com	Project Manager
Rob Weber, Ardurra	rweber@ardurra.com	Principal-in-charge
Jia Huang, Ardurra	jhuang@ardurra.com	Planner/Hydraulic Modeler
Kaitlyn Leong, Ardurra	kleong@ardurra.com	Project Engineer
Dalia Mulato, Ardurra	dmulato@ardurra.com	Design Engineer
Rick Kennedy, Ardurra	rkennedy@ardurra.com	Booster Station Designer

Prepared by: Kaitlyn Leong

*These minutes summarize the substantive issues discussed/resolved at the meeting to the best of the writer's memory. Please contact the author should corrections be required.*

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Discussion of Project Major Components:

1) Status of Data Collection

- a. GPS units may be set up and ready to go this week, possible field testing and verification to ensure level of accuracy week of 8/23. Meter work to tentatively start 8/31 and will take 2 to 3 days.
- b. Facility maps – mapping at the tank site area is incomplete in the model, need additional information. Chris to send maps to see if they contain any additional information. Will need to field verify piping, valves, etc.
- c. GIS map – once meters are located, the data will be provided to DSCE along with the current Autocad map of SCWC's water facilities and DSCE will import the data into GIS for water model.

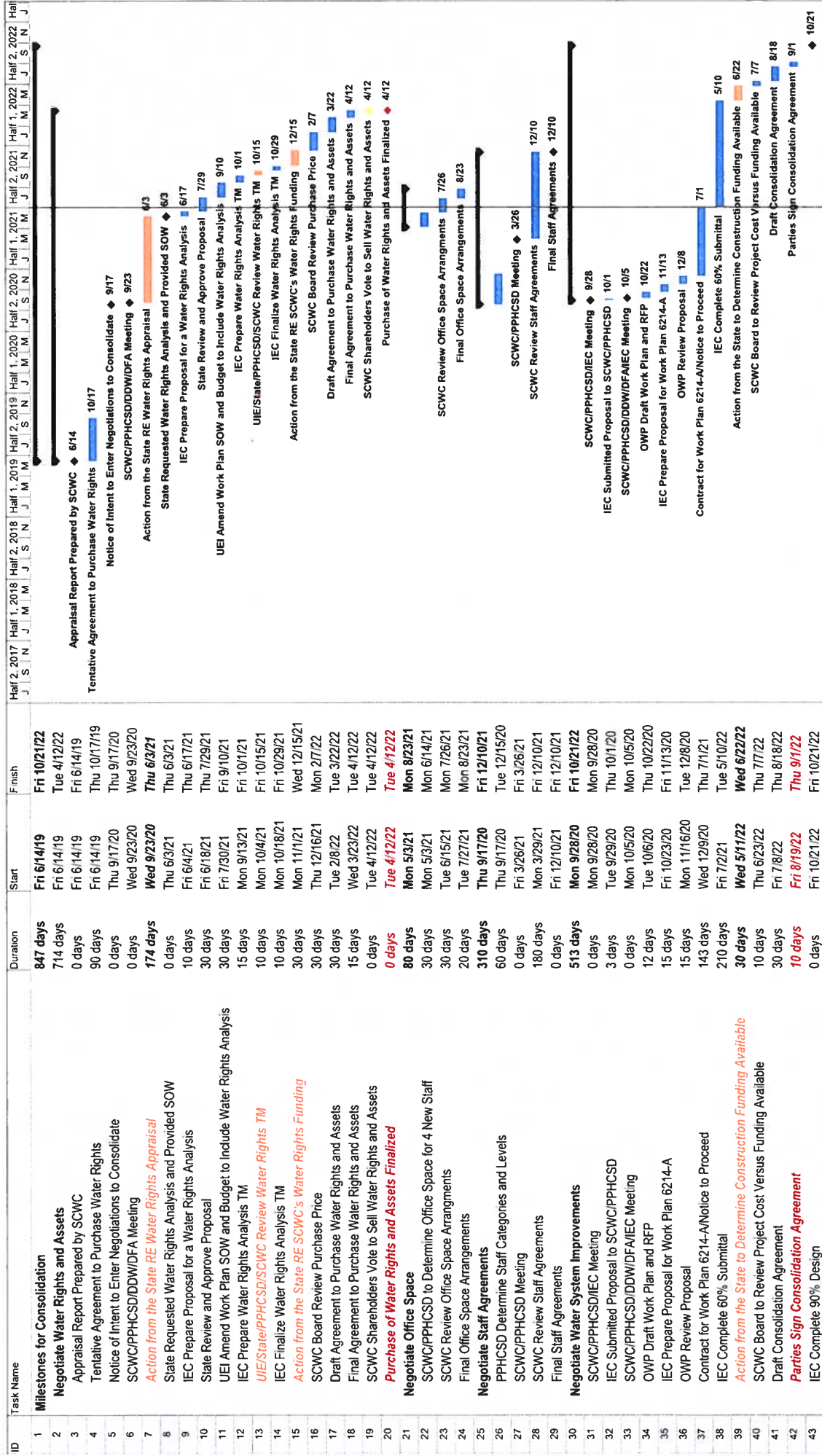
2) Water Models and Hydraulic Analysis

- a. Shyamala send SCWC and PPHCSD the location of the assets for placing the data logger
- b. Sean and Chris sent Ardurra a total of 4 out of 7 data logger recordings Jia and Shyamala to review.
  - i. Jia/Shyamala will compare results of the model and will adjust model, if required.
  - ii. Jia to discuss with Shyamala if the model will run extended period simulations
  - iii. Jia compared data loggers' info against PPHCSD model and they are consistent

- 3) Technical Analysis of Water Rights
  - a. Draft TM being prepared, once the water rights are summarized the draft TM will be sent to SCWC and PPHCSD for review to confirm information is correct.
  - b. Dolores to contract with O'Laughlin & Paris LLP, who will provide a review the TM
    - i. Serving as a 3<sup>rd</sup> party from a legal standpoint, O'Laughlin & Paris LLP will make recommendations on the alternatives and opportunities.
  - c. George contacted the County regarding the planning document for zoning and future water user types. George has not heard from the County and will follow up with them.
    - i. Old planning document is available but would like the most recent planning document
- 4) General Package Application
  - a. Form is almost complete – need to verify the Applicant and Authorized Representative. Dolores sent email (8/17) to Maureen to confirm SCWC is the recipient.
  - b. Dolores sent email (8/17) to Maureen regarding the amount of funding to be requested for the cost of construction, cost of water rights, and cost of infrastructure.
    - i. Kaitlyn will tabulate costs and verify with Maureen on how to submit the funding request.
- 5) SCWC's Tunnel Inspection – Inspection planned for October when water demands decrease
- 6) SCWC's Cross Connection Study – potentially planned for 2<sup>nd</sup> week of September
  - a. SCWC meter readers will accompany Hamby. Work to be completed within 2-4 days.
- 7) Progress on agreements between PPHCSD and SCWC
  - a. No progress on these agreements have been made – on hold due to water rights issue
  - b. Possible other areas that SCWC and PPHCSD can work on
    - i. Dolores to send a bullet list/wish list of items that need to be agreed upon between SCWC and PPHCSD
- 8) Next Meeting – Wednesday, September 15, 2021 at 10am
- 9) Summary of Action Items:
  - a. Chris to check and send any additional maps for the tank field
  - b. Kaitlyn to email Chris questions for information needed to complete the General Package application
  - c. Dolores to send draft Technical Analysis of Water Rights to SCWC and PPHCSD to verify information
  - d. Dolores to schedule GPS of water meters for the last week of August (8/31)
  - e. Dolores to schedule cross connection study for the second week of September (9/6)
  - f. Dolores to prepare bullet point/wishlist of items to be agreed upon between SCWC and PPHCSD

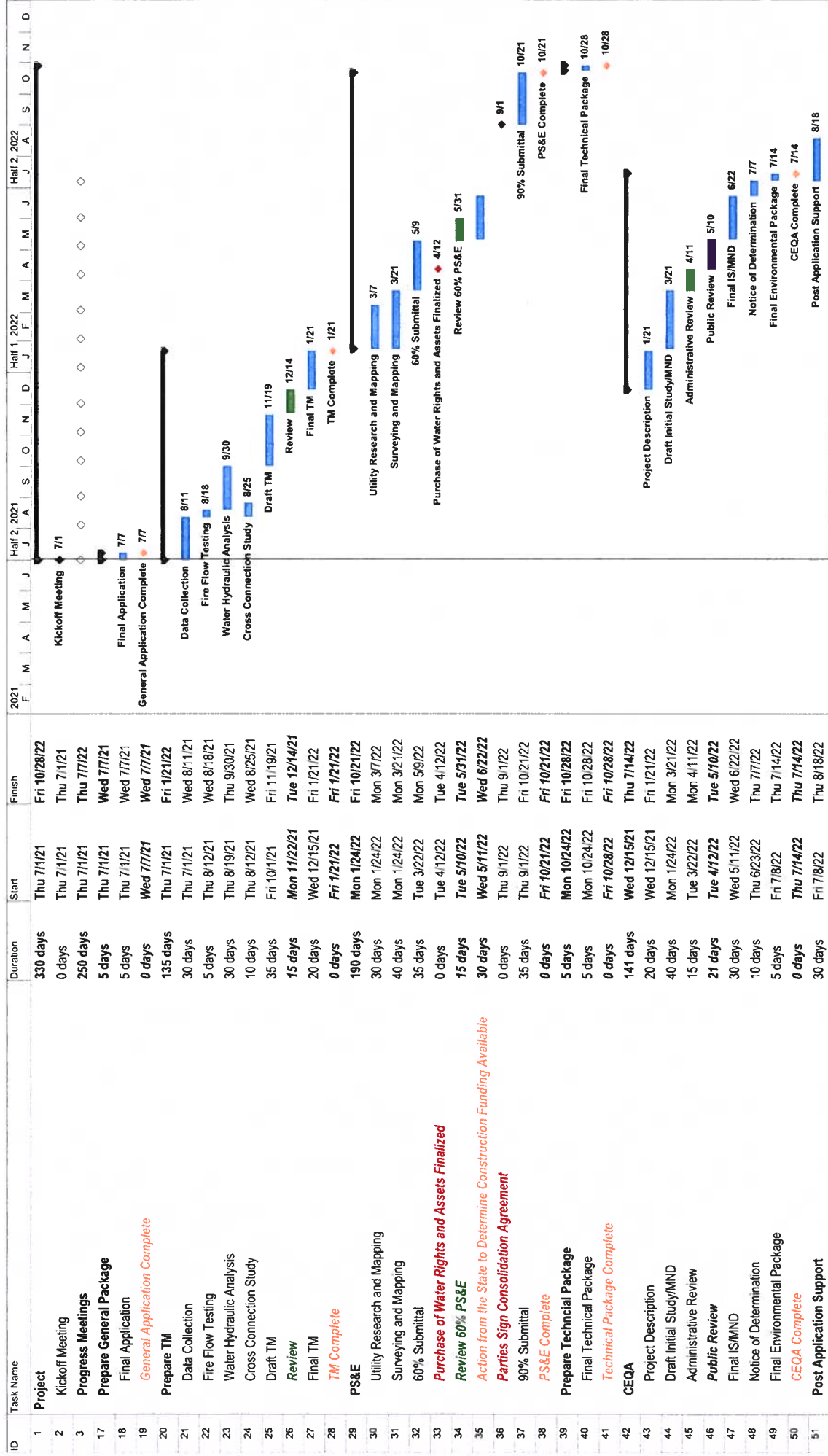


Milestones and Key Decision Points  
Drinking Water State Revolving Fund Work Plan No. 6214-A  
SCWC Water Consolidation Project





Project Schedule  
Drinking Water State Revolving Fund Work Plan No. 6214-A  
SCWC Water Consolidation Project



**Sheep Creek Water Company**  
**4200 Sunnyslope Rd.**  
**P.O. Box 291820**  
**Phelan, CA 92329-1820**  
*Office (760) 868-3755/Fax (760) 868-2174*  
*Email [sheepcreek@verizon.net](mailto:sheepcreek@verizon.net) / [www.sheepcreekwater.com](http://www.sheepcreekwater.com)*

August 23, 2021

Wei Chang  
Lead Engineer  
San Bernardino District  
Southern California Field Operations Branch  
464 W. 4<sup>th</sup> Street #437  
San Bernardino, CA 92401  
[wei.chang@waterboards.ca.gov](mailto:wei.chang@waterboards.ca.gov)

RE: 2021 Sanitary Survey-Sheep Creek Water Company (System No 3610109) - Progress Update

Dear Mr. Chang:

This letter is an update to the letter dated June 21, 2021 regarding Sheep Creek Water Company's sanitary survey deficiencies. Along with the crew completing several physical deficiencies outlined in the Sanitary Survey three of the requested plans have been completed. Additional requested plans and programs to be implemented will continue to be completed in a timely matter. Below are the additional deficiencies that have been completed or currently in progress:

**STORAGE**

- **Grade Bands:** All Grade Bands have been repaired. Repairs were made by removing (if necessary) the Grade Band and putting back in place with additional stacks. All stacks were welded to prevent band from moving away from tank. Gravel around tanks was replaced if needed. Photos of all the Grade Bands are enclosed.

**DISTRIBUTION**

- **Cross Connection survey:** The cross connection survey is still in progress. There were communication issues with Blair Backflow who was set to do the survey. Hamby Backflow is now schedule to complete the Cross Connection Survey. An inventory of all meter services with backflow type has been prepared and submitted to Hamby Backflow prior to the survey. The physical survey is currently schedule to begin August 31, 2021.
- **Mainline Replacement Program:** Currently a data base of all water mains is being prepared. Once a complete data base is put together, a replacement priority list will be

compiled base on age, condition and leaks on the main. As soon as data base is complete a replacement program will be prepared and submitted to the Division for review.

Sheep Creek Water Company staff is continuing to work to complete the remaining requested plans outlined in the 2021 Sanitary Survey. An additional update will be sent as the remaining plans are completed. Once again I would like to thank the Division for their continued help and support. If you need further information or have any additional question please feel free to contact me at (760) 559-7956 or [sheepcreek@verizon.net](mailto:sheepcreek@verizon.net).

Sincerely,

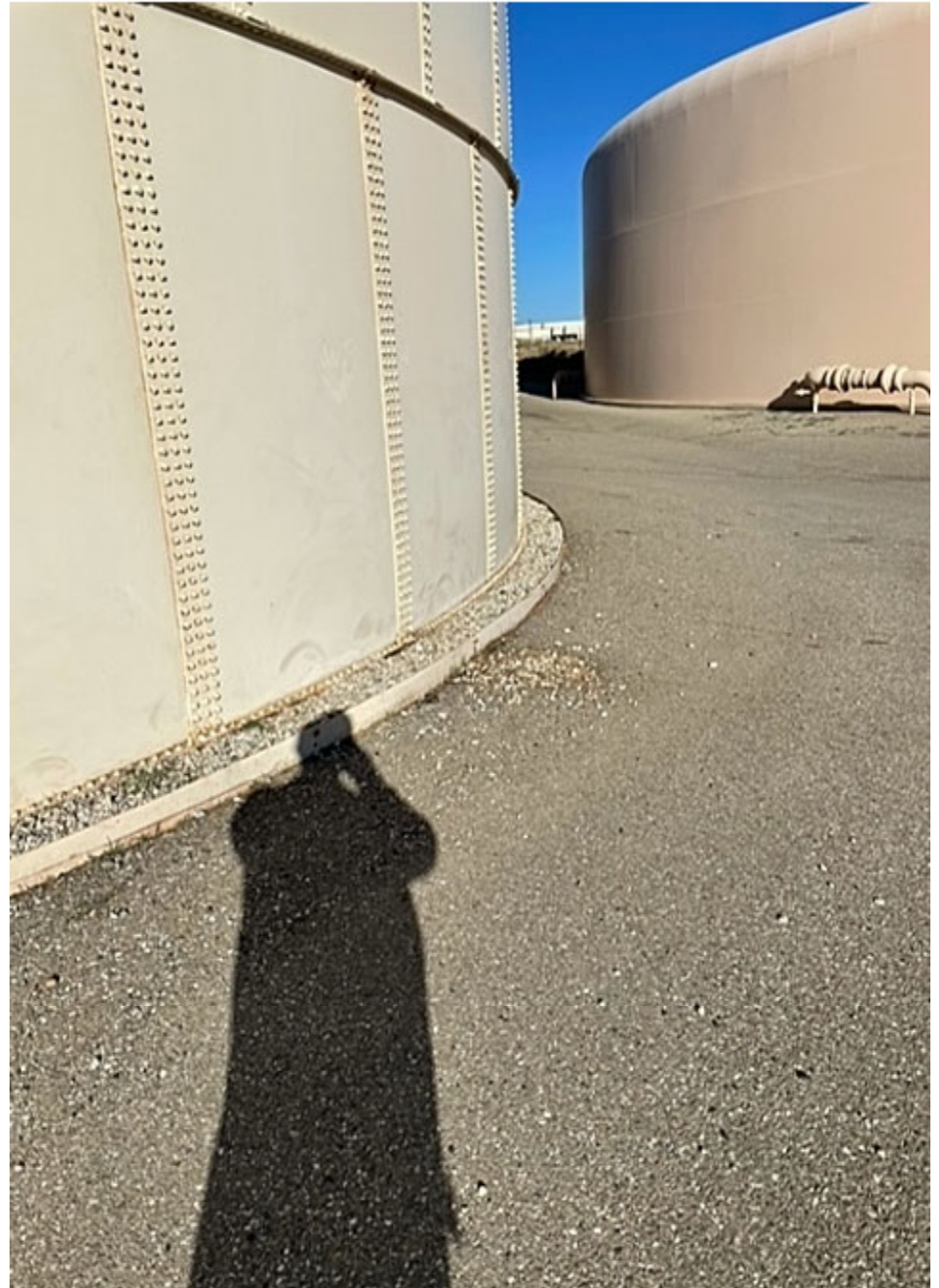
A handwritten signature in blue ink, appearing to read 'Chris Cummings', with a stylized flourish at the end.

Chris Cummings  
General Manager  
Sheep Creek Water Company

cc: Hector Cazares [Hector.Cazares@waterboards.ca.gov](mailto:Hector.Cazares@waterboards.ca.gov)



## SHEEP CREEK WATER COMPANY TANK #2





SHEEP CREEK WATER COMPANY TANK #2



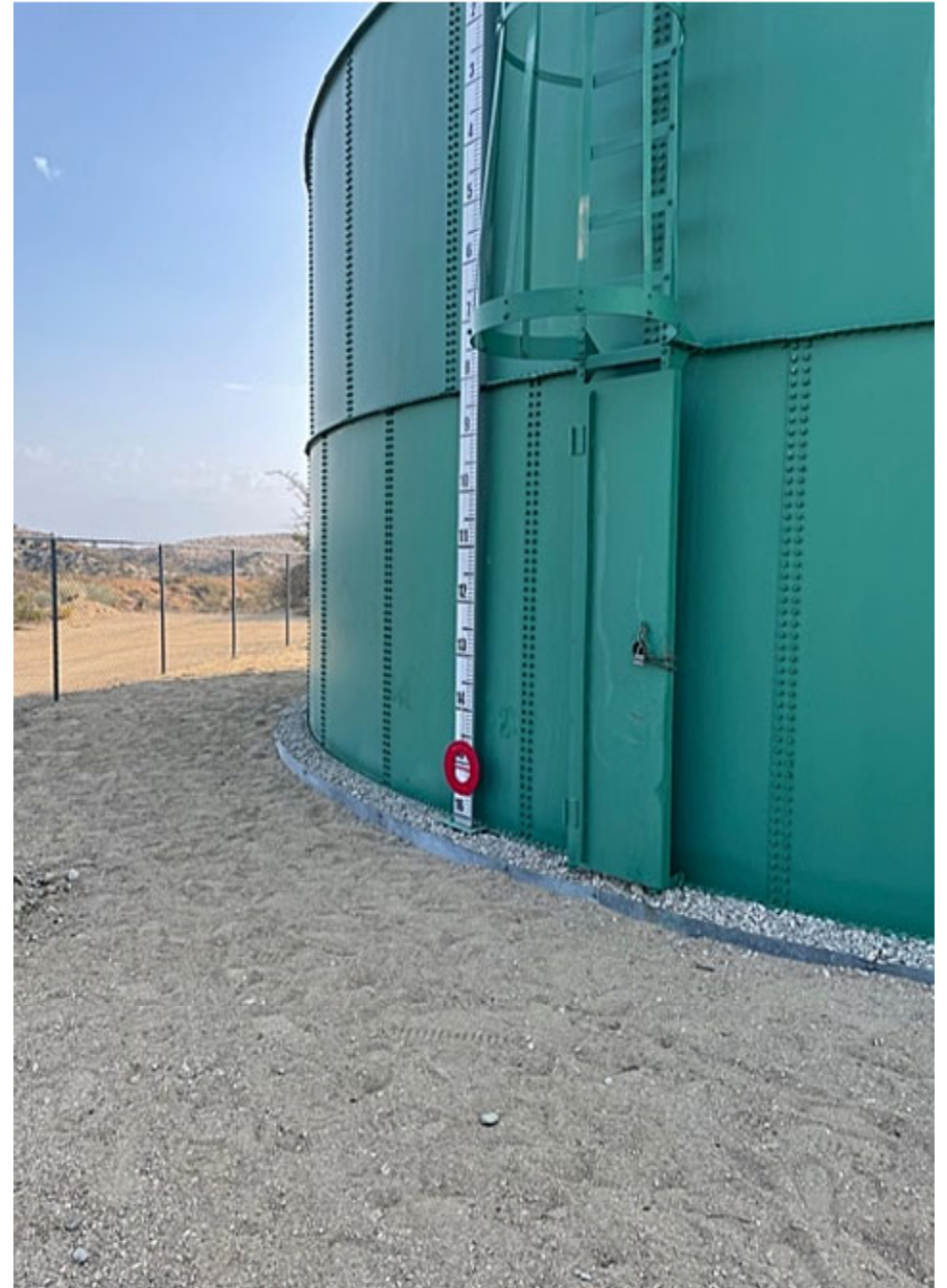


SHEEP CREEK WATER COMPANY TANK #3

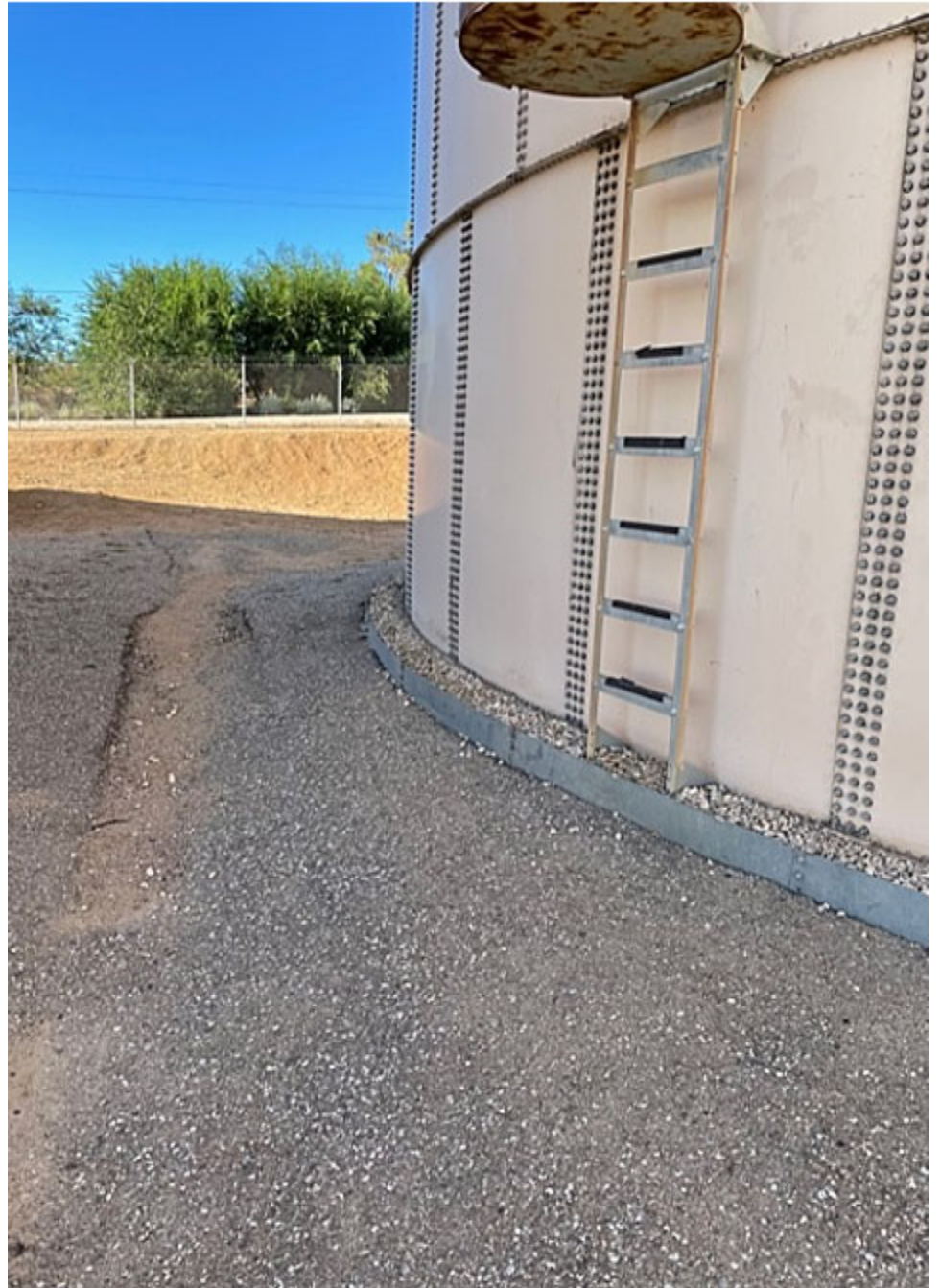




SHEEP CREEK WATER COMPANY TANK #3





































AVERAGE GALLONS PER MINUTE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2021	36%	13%	13%	4%	4%	2%	-7%	-14%	-100%	-100%	-100%	-100%	Compare 2020
Tunnel	132	133	133	134	136	136	137	137					
Well # 2A	333	345	345	343	336	333	333	343					
Well # 3A	329	308	313	310	315	315	317	288					
Well # 4A	300	348	354	345	315	317	298	212					
Well # 5	310	310	298	299	299	300	297	289					
Well # 6	351	393	396	378	352	352	333	273					
Well # 11	251	251	251	251	251	251	251	251					
TOTAL G	2,006	2,088	2,074	2,082	2,037	2,007	1,926	1,777	0	0	0	0	Compare 2019
2020	26%	43%	40%	56%	51%	53%	62%	50%	55%	48%	45%	36%	
Tunnel	123	122	122	123	127	131	133	133	133	132	132	133	
Well # 2A	250	279	262	306	286	292	344	339	333	333	319	333	
Well # 3A	0	312	324	327	318	311	311	321	321	333	329	329	
Well # 4A	272	292	250	319	292	302	372	350	332	268	288	300	
Well # 5	305	309	327	314	319	307	311	318	289	289	302	310	
Well # 6	270	284	295	367	367	367	348	322	333	333	333	350	
Well # 11	251	251	251	251	251	251	251	251	251	251	251	251	
TOTAL G	1,471	1,849	1,831	2,007	1,960	1,961	2,070	2,060	1,995	1,940	1,948	2,006	Compare 2018
2019	26%	-2%	0%	13%	13%	61%	155%	166%	155%	154%	70%	83%	Compare 2017
Tunnel	107	109	112	119	124	119	123	128	128	126	125	124	
Well # 2A	150	208	207	179	179	189	184	158	172	204	186	229	
Well # 3A	148	186	184	186	186	167	162	167	0	0	0	0	
Well # 4A	174	179	185	189	194	167	167	179	207	207	207	312	
Well # 5	155	168	170	173	165	197	196	231	270	283	290	299	
Well # 6	181	193	193	198	198	192	195	258	259	242	285	263	
Well # 11	251	251	251	251	251	251	251	251	251	251	251	251	
TOTAL G	1,166	1,294	1,312	1,286	1,297	1,282	1,278	1,372	1,287	1,313	1,344	1,478	Pump Pulled 9-19
2018	-40%	-27%	-16%	-12%	-19%	-42%	-57%	-49%	-48%	-48%	-17%	-21%	
Tunnel	131	129	127	125	125	124	122	121	119	118	118	116	
Well # 2A	0	150	175	135	125	55	30	30	25	25	30	30	
Well # 3A	115	211	122	195	167	33	25	25	25	25	25	25	
Well # 4A	199	213	251	194	168	99	60	60	60	60	60	60	
Well # 5	286	289	297	279	274	278	124	119	124	128	138	147	
Well # 6	320	325	337	317	284	205	141	161	152	161	167	179	
Well # 11	0	0	0	0	0	0	0	0	0	0	251	251	
TOTAL G	1,051	1,317	1,309	1,245	1,143	794	502	516	505	517	789	808	
2017	-35%	-40%	-43%	-43%	-45%	-11%	66%	58%	17%	6%	-28%	-37%	
Tunnel	147	145	147	148	147	147	143	140	137	136	136	134	
Well # 2A	214	274	0	0	0	50	50	50	107	107	0	0	
Well # 3A	330	330	345	295	301	280	180	143	115	115	115	115	
Well # 4A	370	333	333	253	253	200	200	144	115	130	154	184	
Well # 5	353	372	372	355	353	353	280	257	238	244	258	275	
Well # 6	333	381	367	358	350	342	310	278	256	266	288	308	
TOTAL G	1,747	1,815	1,564	1,409	1,404	1,372	1,163	1,012	968	998	951	1,016	Pump Pulled 11-17
2016													
Tunnel	184	182	177	176	170	168	165	162	159	157	154	150	
Well # 2A	381	500	559	534	468	213	44	38	38	45	111	167	
Well # 3A	537	646	530	635	610	225	28	31	90	114	183	286	
Well # 4A	659	729	556	478	429	193	94	52	132	157	267	333	
Well # 5	461	468	463	471	438	381	120	163	192	218	305	353	
Well # 6	458	476	438	444	444	365	248	194	217	254	297	326	
TOTAL G	2,680	3,001	2,723	2,727	2,569	1,545	699	640	828	945	1,317	1,615	
2015													
Tunnel	256	253	248	203	203	214	210	204	201	196	193	189	
Well # 2A	0	749	625	573	533	537	524	491	418	417	439	479	
Well # 3A	693	680	678	705	652	641	631	613	591	586	594	583	
Well # 4A	883	905	818	759	881	697	637	625	625	625	625	875	
Well # 5	551	551	547	513	513	497	488	471	451	452	459	460	
Well # 6	463	454	465	460	444	467	467	333	361	361	333	405	
TOTAL G	2,846	3,592	3,381	3,237	3,226	3,053	3,017	2,751	2,647	2,637	2,643	2,991	



## CONSUMPTION 10-YEAR

	3%	14%	22%	48%	5%	17%	9%	3%	-100%	-100%	-100%	-100%	-100%	TOTAL	vs 2020
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			Reduction with 2013
2021															
Cons'n HCF	-30%	-17%	-31%	-37%	-43%	-29%	-39%	-42%	-100%	-100%	-100%	-100%	159,198		
Cons'n GPM	12,493	12,897	13,998	19,265	21,063	27,040	27,372	25,069	0	0	0	0	226		
Cons'n A.F.	209	239	235	334	353	468	459	420	0	0	0	0	365,468		
Ave GPDPP	28,680	29,607	32,136	44,227	48,354	62,074	62,838	57,551	0.000	0.000	0.000	0.000			
2020															Reduction with 2013
Cons'n HCF	-33%	-27%	-43%	-58%	-46%	-40%	-44%	-44%	-34%	-30%	-25%	-10%	215,185		
Cons'n GPM	12,108	11,353	11,457	13,003	19,970	23,014	25,219	24,223	24,214	21,641	14,550	14,433	306		
Cons'n A.F.	203	211	192	225	335	398	423	406	419	363	252	242	493,996		
Ave GPDPP	27,795	26,062	26,302	29,850	45,846	52,833	57,894	55,608	55,588	49,681	33,403	33,133			
2019															Reduction with 2013
Cons'n HCF	-31%	-30%	-49%	-47%	-53%	-49%	-46%	-43%	-40%	-36%	-28%	-20%	204,279		
Cons'n GPM	12,481	10,980	10,327	16,381	17,288	19,469	24,323	24,572	21,868	19,744	13,907	12,940	290		
Cons'n A.F.	209	204	173	284	290	337	408	412	379	331	241	217	468,960		
Ave GPDPP	28,652	25,207	23,707	37,606	39,688	44,695	55,838	56,409	50,203	45,325	31,926	29,706			
2018															Reduction with 2013
Cons'n HCF	-15%	-7%	-37%	-41%	-40%	-35%	-40%	-39%	-39%	-39%	-16%	-18%	231,605		
Cons'n GPM	15,360	14,461	12,701	18,206	22,082	24,730	27,000	26,417	22,364	18,762	16,399	13,123	329		
Cons'n A.F.	257	268	213	315	370	428	452	443	387	314	284	220	531,693		
Ave GPDPP	35,262	33,198	29,157	41,796	50,692	56,772	61,983	60,646	51,341	43,072	37,647	30,126			
2017															Reduction with 2013
Cons'n HCF	-38%	-35%	-24%	-33%	-34%	-33%	-42%	-30%	-40%	-29%	3%	-3%	243,231		
Cons'n GPM	11,121	10,088	15,275	20,758	24,151	25,786	26,112	30,311	22,165	21,963	19,912	15,588	345		
Cons'n A.F.	186	187	256	359	405	446	438	508	384	368	345	261	558,381		
Ave GPDPP	25,531	23,159	35,066	47,653	55,443	59,196	59,945	69,585	50,885	50,420	45,713	35,785			
2016															Reduction with 2013
Cons'n HCF	-25%	10%	3%	-26%	-21%	11%	-21%	-17%	-28%	-35%	0%	-19%	295,892		
Cons'n GPM	13,498	17,144	20,915	22,752	29,188	42,373	35,594	35,657	26,381	19,859	19,429	13,103	421		
Cons'n A.F.	226	318	350	394	489	734	596	597	457	333	336	220	679,274		
Ave GPDPP	30,986	39,356	48,014	52,232	67,007	97,274	81,712	81,857	60,561	45,589	44,604	30,081			
2015															Reduction with 2013
Cons'n HCF	-15%	-10%	-20%	-4%	-27%	-20%	-33%	-27%	-9%	-18%	-8%	11%	295,231		
Cons'n GPM	15,686	15,711	20,472	29,631	26,759	30,807	30,067	31,370	33,365	25,346	18,042	17,975	420		
Cons'n A.F.	263	291	343	513	448	533	504	526	578	425	312	301	677,757		
Ave GPDPP	36,010	36,068	46,997	68,023	61,430	70,723	69,025	72,015	76,596	58,187	41,418	41,266			
2014															Reduction with 2013
Cons'n HCF	-30%	-27%	-43%	-40%	-40%	-35%	-40%	-39%	-39%	-39%	-39%	-39%	354,552		
Cons'n GPM	17,899	18,812	18,885	30,747	35,306	39,612	46,285	35,211	38,411	33,592	20,749	19,044	504		
Cons'n A.F.	300	349	316	532	592	686	776	590	665	563	359	319	813,941		
Ave GPDPP	41,091	43,187	43,353	70,585	81,051	90,937	106,256	80,833	88,180	77,117	47,632	43,719			
2013															Reduction with 2013
Cons'n HCF	-17%	-15%	-20%	-30%	-36%	-38%	-44%	-43%	-36%	-30%	-25%	-16%	350,501		
Cons'n GPM	17,965	15,582	20,215	30,811	36,733	38,221	44,989	43,058	36,655	30,752	19,423	16,096	498		
Cons'n A.F.	301	289	339	533	616	662	754	721	635	515	336	270	805		
Ave GPDPP	41,242	35,771	46,408	70,732	84,327	87,743	103,281	98,848	84,149	70,598	44,588	36,952	46,763,566		
2012															Reduction with 2013
Cons'n HCF	-15%	-16%	-20%	-19%	-39%	-36%	-44%	-41%	-31%	-28%	-20%	-15%	329,982		
Cons'n GPM	15,541	16,894	20,272	19,552	39,647	36,242	44,216	41,956	31,268	28,645	20,721	15,028	468		
Cons'n A.F.	260	313	340	339	664	628	741	703	541	480	359	252	758		
Ave GPDPP	36	39	47	45	91	83	102	96	72	66	48	34			

PRODUCTION 6 - YEAR RECAP

Reduction compared to 2020  
Reduction compared to 2013

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	TOTAL	TOTAL
2021	14%	-2%	18%	45%	6%	6%	-1%	4%	-100%	-100%	-100%	-100%	-100%	-100%	-100%
Tunnel	5,901,008	5,302,500	5,937,120	5,806,080	6,057,648	5,880,000	6,115,680	6,118,000	5,754,240	5,896,944	5,702,400	5,814,800	67,810,976	9,065,639	208.07
Well # 2A	22,000	24,000	17,000	4,431,000	7,276,000	6,564,000	6,493,000	7,356,000	254,000	14,000	23,000	21,000	11,311,000	1,512,166	34.71
Well # 3A	17,000	24,000	15,000	26,000	37,000	20,000	19,000	14,000	6,825,000	6,401,000	41,000	2,480,000	45,643,000	6,102,005	140.05
Well # 4A	12,000	23,000	17,000	29,000	38,000	19,000	17,000	14,000	253,000	21,000	18,000	30,000	8,702,000	1,163,369	26.70
Well # 5	16,000	26,000	15,000	25,000	5,777,000	5,854,000	5,793,000	6,488,000	6,154,000	5,570,000	2,900,000	2,900,000	40,796,000	5,454,011	125.18
Well # 8	8,375,000	5,345,000	6,820,000	6,312,000	7,338,000	10,000	24,000	18,000	114,000	20,000	22,000	470,000	10,439,000	1,395,588	32.03
Well # 11	11,400	12,100	4,800	5,900	21,900	3,511,300	4,987,100	2,328,400	274,500	11,200	10,700	10,700	5,911,300	790,281	18.14
PPHCSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	12,354,908	10,821,680	12,825,920	16,634,980	19,945,548	21,867,300	23,448,760	22,353,400	19,628,740	17,922,944	13,031,600	11,316,500	190,613,276	25,483,058	584.88
TOTAL CF	1,851,712	1,446,748	1,714,695	2,223,928	2,666,517	2,923,438	3,134,864	2,988,422	0	0	0	0	0	0	0
TOTAL AF	37,910	33,205	39,355	51,043	67,098	67,098	71,951	68,590	0.000	0.000	0.000	0.000	Total Reduction=		
2020															
Tunnel	5,481,782	5,087,000	5,428,224	5,313,600	5,671,000	5,652,000	5,954,976	5,954,976	5,754,240	5,896,944	5,702,400	5,814,800	67,810,976	9,065,639	208.07
Well # 2A	177,000	82,000	22,000	11,000	12,000	14,000	3,419,000	7,282,000	254,000	14,000	23,000	21,000	11,311,000	1,512,166	34.71
Well # 3A	0	1,245,000	4,863,000	5,480,000	9,107,000	5,025,000	15,000	25,000	6,825,000	6,401,000	41,000	2,480,000	45,643,000	6,102,005	140.05
Well # 4A	31,000	28,000	21,000	44,000	14,000	29,000	732,000	7,480,000	253,000	21,000	18,000	30,000	8,702,000	1,163,369	26.70
Well # 5	5,119,000	4,377,000	4,400,000	347,000	3,529,000	6,710,000	3,982,000	21,000	6,154,000	5,570,000	2,900,000	2,900,000	40,796,000	5,454,011	125.18
Well # 8	34,000	60,000	23,000	55,000	23,000	2,055,000	7,514,000	29,000	114,000	20,000	22,000	470,000	10,439,000	1,395,588	32.03
Well # 11	0	127,800	88,600	194,100	482,700	1,109,000	2,906,300	705,800	274,500	11,200	10,700	10,700	5,911,300	790,281	18.14
PPHCSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	10,842,792	11,006,800	10,885,824	11,444,700	18,838,700	20,594,600	23,602,300	21,497,776	19,628,740	17,922,944	13,031,600	11,316,500	190,613,276	25,483,058	584.88
TOTAL CF	1,449,571	1,471,497	1,455,324	1,530,040	2,518,543	2,753,289	3,155,388	2,874,034	2,624,163	2,396,116	1,742,193	1,512,901	1,742,193	34,724	
TOTAL AF	33,270	33,774	33,402	35,117	57,805	63,193	72,422	65,964	60,229	54,995	39,986	34,724			
2019															
Tunnel	4,808,174	4,384,800	5,917,090	5,163,000	5,517,058	5,140,800	5,460,720	5,713,920	5,537,000	5,624,640	5,400,000	5,535,360	63,332,562	8,466,920	194.33
Well # 2A	10,000	41,000	2,764,000	3,817,000	3,943,000	5,499,000	5,628,000	2,863,000	150,000	3,281,000	1,076,000	870,000	29,962,000	4,005,615	91.94
Well # 3A	7,000	228,000	144,000	11,000	1,800	38,000	234,000	57,000	0	0	0	0	720,600	96,337	2.21
Well # 4A	6,000	211,000	132,000	11,000	7,000	27,000	35,000	15,000	57,000	22,000	10,000	15,000	548,000	73,262	1.68
Well # 5	2,928,000	2,285,000	2,278,000	3,881,000	3,637,000	4,746,000	6,006,000	6,506,000	5,055,000	6,346,000	2,102,000	3,173,000	48,943,000	6,543,182	150.18
Well # 8	3,122,000	3,612,000	6,000	12,000	76,000	310,000	2,865,000	4,822,000	1,695,000	3,445,000	1,340,000	1,340,000	20,257,000	2,708,155	62.16
Well # 11	250,000	287,200	322,500	863,600	988,800	2,385,700	2,736,700	581,000	2,481,500	456,100	44,800	0	12,881,800	1,722,166	39.53
PPHCSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	11,131,774	10,299,000	10,863,590	13,558,600	14,170,458	18,146,500	19,733,020	20,759,620	18,202,500	17,424,740	12,077,800	10,727,360	176,644,962	23,615,637	542.02
TOTAL CF	1,488,205	1,340,775	1,428,287	1,812,847	1,694,448	2,426,003	2,638,104	2,775,350	2,433,486	2,329,511	1,614,679	1,434,139			
TOTAL AF	34,157	30,773	32,782	41,604	43,481	55,681	60,549	63,699	55,853	53,467	37,060	32,916			
2018															
Tunnel	5,879,088	5,204,009	5,674,180	5,428,987	5,583,000	5,362,000	5,450,000	5,395,000	5,150,736	5,272,877	5,070,889	5,156,000	64,630,776	8,640,478	198.31
Well # 2A	0	0	0	1,682,000	17,000	184,000	2,142,000	1,152,000	998,000	128,000	0	0	6,546,000	875,134	20.09
Well # 3A	0	0	11,000	157,000	1,147,000	665,000	10,000	6,000	0	0	0	0	1,996,000	266,845	6.12
Well # 4A	123,000	157,000	255,000	1,458,000	2,316,000	74,000	73,000	9,000	0	0	12,000	0	4,477,000	598,529	13.74
Well # 5	3,559,000	4,031,000	3,126,000	5,318,000	6,216,000	8,424,000	6,448,000	5,119,000	5,116,000	5,592,000	4,571,000	3,535,000	61,258,000	8,189,572	187.97
Well # 8	3,971,000	4,511,000	3,531,000	5,312,000	3,966,000	6,487,000	6,278,000	5,507,000	6,059,000	5,714,000	4,346,000	3,423,000	59,106,000	7,901,872	181.36
Well # 11	0	0	0	0	0	0	0	0	0	0	0	24,700	24,700	3,302	0.08
PPHCSD	0	0	0	0	0	0	0	0	0	0	0	0	5,525,000	738,636	16.95
TOTAL G	13,532,088	13,903,909	12,838,190	19,555,987	19,245,000	21,196,000	20,402,000	22,713,000	17,323,736	16,706,877	14,004,989	12,141,700	203,563,476	27,214,368	624.62
TOTAL CF	1,809,103	1,858,811	1,718,336	2,614,437	2,572,881	2,833,980	2,727,540	3,036,497	2,316,097	2,233,540	1,872,325	1,623,222			
TOTAL AF	41,522	42,663	39,393	60,006	59,052	65,038	62,602	69,693	53,157	51,264	42,973	37,256			
2017															
Tunnel	6,570,115	5,860,915	6,590,203	6,468,984	6,579,043	6,284,000	6,397,805	6,255,850	5,983,982	6,108,091	5,865,005	5,980,779	74,930,772	10,017,483	229.92
Well # 2A	18,000	23,000	3,393,000	4,281,000	4,191,000	3,068,000	3,068,000	3,068,000	2,485,000	2,485,000	2,485,000	2,485,000	231,000	38,904	0.89
Well # 3A	3,727,000	5,786,000	7,405,000	6,194,000	6,006,000	5,729,000	4,964,000	4,964,000	2,485,000	2,485,000	2,485,000	2,485,000	45,073,000	6,025,802	138.30
Well # 4A	439,000	450,000	450,000	278,000	37,000	47,000	403,000	9,000	9,000	2,397,000	2,081,000	864,000	7,804,000	1,043,316	23.95
Well # 5	82,000	20,000	0	100,000	2,887,000	4,115,000	6,412,000	7,334,000	6,533,000	5,182,000	4,054,000	4,054,000	40,500,000	5,414,439	124.27
Well # 8	28,000	26,000	1,692,000	5,444,000	6,327,000	6,284,000	7,282,000	7,135,000	6,590,000	5,498,000	4,341,000	4,321,000	55,168,000	7,375,401	169.28
Well # 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
PPHCSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	10,844,115	11,769,915	15,687,203	18,485,984	21,655,043	22,626,000	25,484,805	24,433,850	21,615,982	19,475,091	16,275,005	15,399,779	223,766,772	29,915,344	686.61
TOTAL CF	1,449,748	1,573,518	2,097,220	2,471,388	2,895,059	3,024,866	3,408,396	3,266,557	2,869,837	2,603,622	2,176,338	2,058,784			
TOTAL AF	33,27	36,12	48,14	56,72	66,45	69,43	78,23	74,97	66,33	59,76	49,95	47,25			
2016															
Tunnel	8,211,082	7,590,067	7,907,083	7,593,988	7,591,925	7,261,013	7,365,600	7,221,859	6,873,984	6,987,946	6,655,003	6,717,874	87,986,434	11,762,892	269.98
Well # 2A	27,000	3,393,000	4,281,000	4,281,000	4,191,000	3,068,000	3,068,000	3,068,000	2,485,000	2,485,000	2,485,000	2,485,000	21,013,000	2,809,225	64.48
Well # 3A	29,000	31,000	35,000	1,692,000	4,968,000	10,091,000	4,110,000	1,218,000	101,000	13,000	11,000	12,000	21,841,000	2,919,920	67.02
Well # 4A	48,000	35,000	30,000	43,000	29,000	2,932,000	3,056,000	1,504,000	220,000	17,000	18,000	18,000	7,948,000	1,062,567	24.39
Well # 5	4,831,000	6,174,000	7,368,000	7,135,000	7,324,000	8,681,000	8,024,000	6,451,000	6,668,000	5,803,000	4,457,000	3,984,000	74,390,000	9,945,187	228.26
Well # 8	22,000	20,000	21,000	26,000	32,000	5,288,000	6,395,000	7,463,000	6,668,000	5,121,000	4,332,000	2,015,000	39,364,000	5,262,567	120.79
Well # 11	0														

DAILY PRODUCTION FOR AUGUST 2021 GALLONS

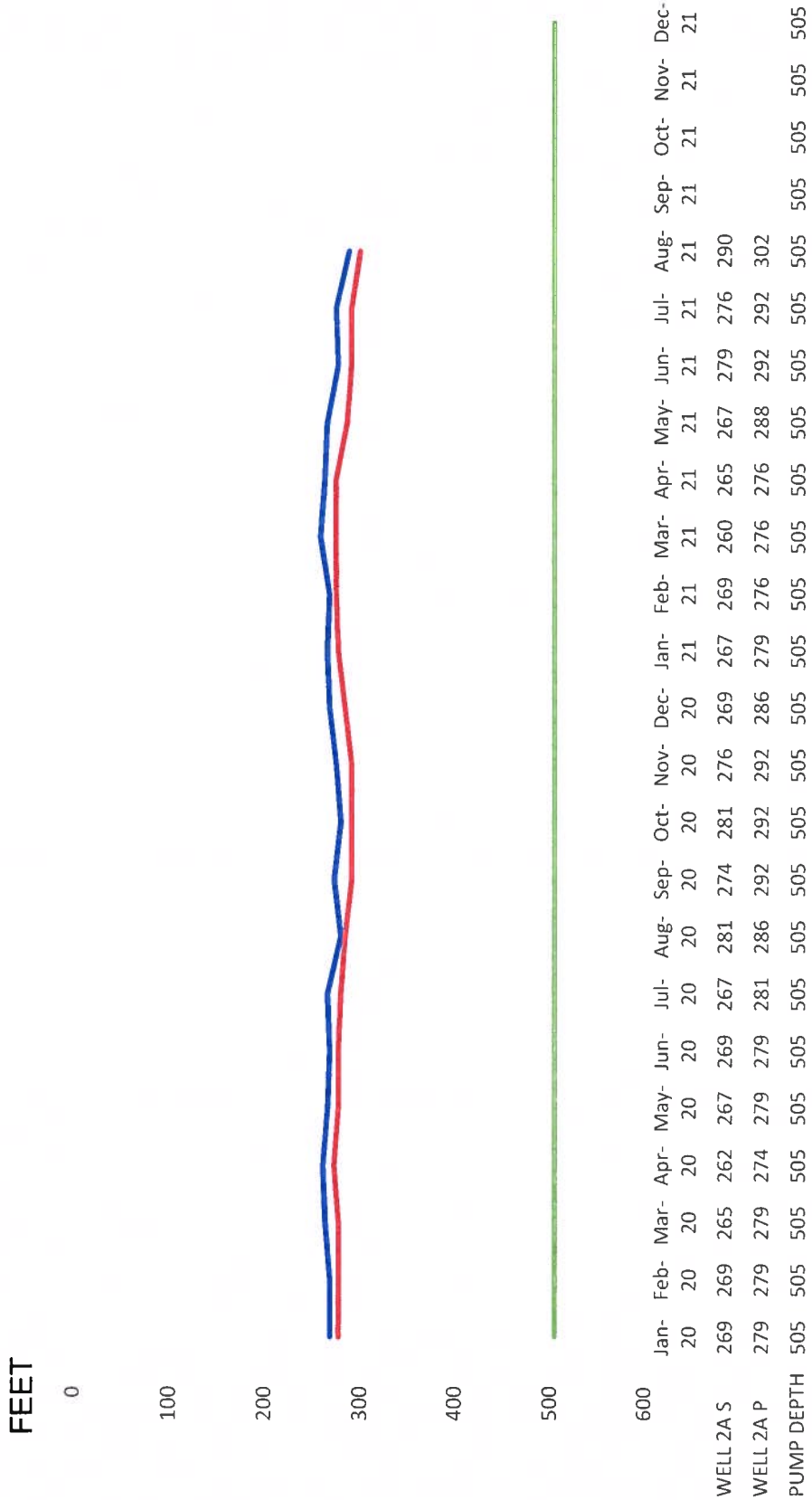
Date	WELL # 2A	WELL # 3A	WELL # 4A	WELL # 5	WELL # 8	WELL # 11	GPM	TUNNEL	TOTAL	CU.FT.	A.F.	GPM
1	263000			233000		65600	137	197280	758880	101454.5	2.3286	527
2	170000	19000	14000	151000	18000	103500	137	197280	672780	89943.85	2.0644	467
3	157000			140000		117800	137	197280	612080	81828.88	1.8781	425
4	297000			263000		36000	137	197280	793280	106053.5	2.4341	551
5	251000			221000		18600	137	197280	687880	91962.57	2.1107	478
6	283000			250000		89400	137	197280	819680	109582.9	2.5151	569
7	263000			224000		66800	137	197280	751080	100411.8	2.3046	522
8	275000			252000		66900	137	197280	791180	105772.7	2.4277	549
9	214000			192000		65000	137	197280	668280	89342.25	2.0506	464
10	218000			192000		64600	137	197280	671880	89823.53	2.0616	467
11	232000			205000		96200	137	197280	730480	97657.75	2.2414	507
12	266000			236000		64600	137	197280	763880	102123	2.3439	530
13	299000			266000		13100	137	197280	775380	103660.4	2.3792	538
14	201000			178000		84400	137	197280	660680	88326.2	2.0272	459
15	257000			227000		75300	137	197280	756580	101147.1	2.3215	525
16	283000			248000		157600	137	197280	885880	118433.2	2.7183	615
17	188000			166000		110600	137	197280	661880	88486.63	2.0309	460
18	276000			244000		136700	137	197280	853980	114168.4	2.6204	593
19	88000			78000		111200	137	197280	474480	63433.16	1.4559	330
20	280000			246000		29800	137	197280	753080	100679.1	2.3108	523
21	204000			181000			137	197280	582280	77844.92	1.7867	404
22	260000			230000		75400	137	197280	762680	101962.6	2.3402	530
23	199000			177000		55200	137	197280	628480	84021.39	1.9284	436
24	237000			206000		109800	137	197280	750080	100278.1	2.3016	521
25	163000			155000		37200	137	197280	552480	73860.96	1.6952	384
26	270000			228000		59000	137	197280	754280	100839.6	2.3145	524
27	246000			215000		53200	137	197280	711480	95117.65	2.1831	494
28	304000			267000		46900	137	197280	815180	108981.3	2.5013	566
29	252000			221000		150000	137	197280	820280	109663.1	2.517	570
30	189000			167000		131400	137	197280	684680	91534.76	2.1009	475
31	273000			239000		36600	137	197280	745880	99716.58	2.2887	518
Ttl's	7358000	19000	14000	6498000	18000	2328400		6115680	22351080	2988112	<b>68.583</b>	

A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	Av.	mgd	mgd	cu.ft/day	afd
22.577478	0.0583001	0.042958	19.938631	0.0552317	7.1445229	137	0.19728	0.721003	96390.72	2.2123	

A.F.  
**18.76551**

# SHEEP CREEK WATER COMPANY

## WELL #2A Monthly Water Levels / 2 years

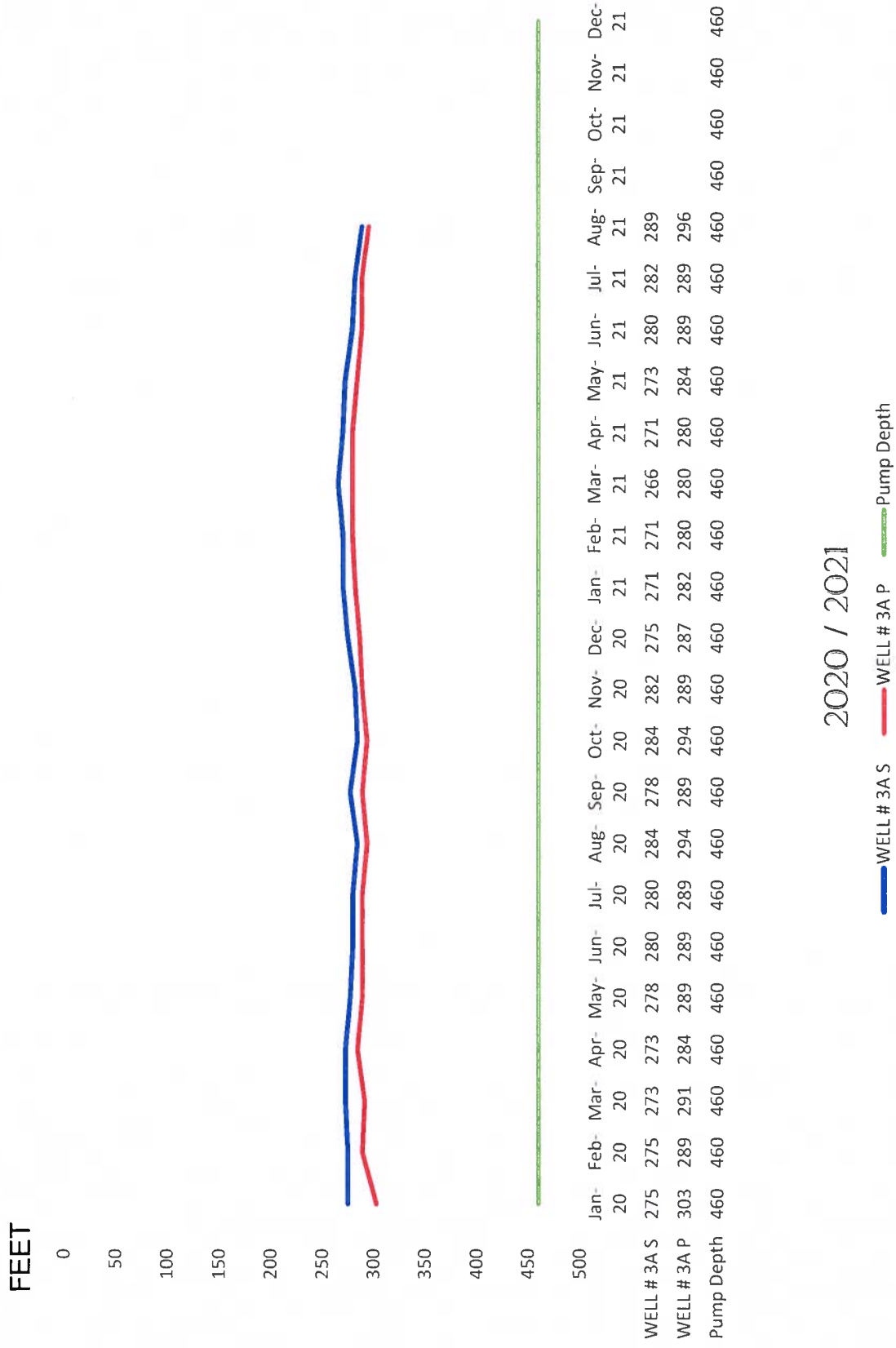


2020 / 2021

— WELL 2A S
 — WELL 2A P
 — PUMP DEPTH

# SHEEP CREEK WATER COMPANY

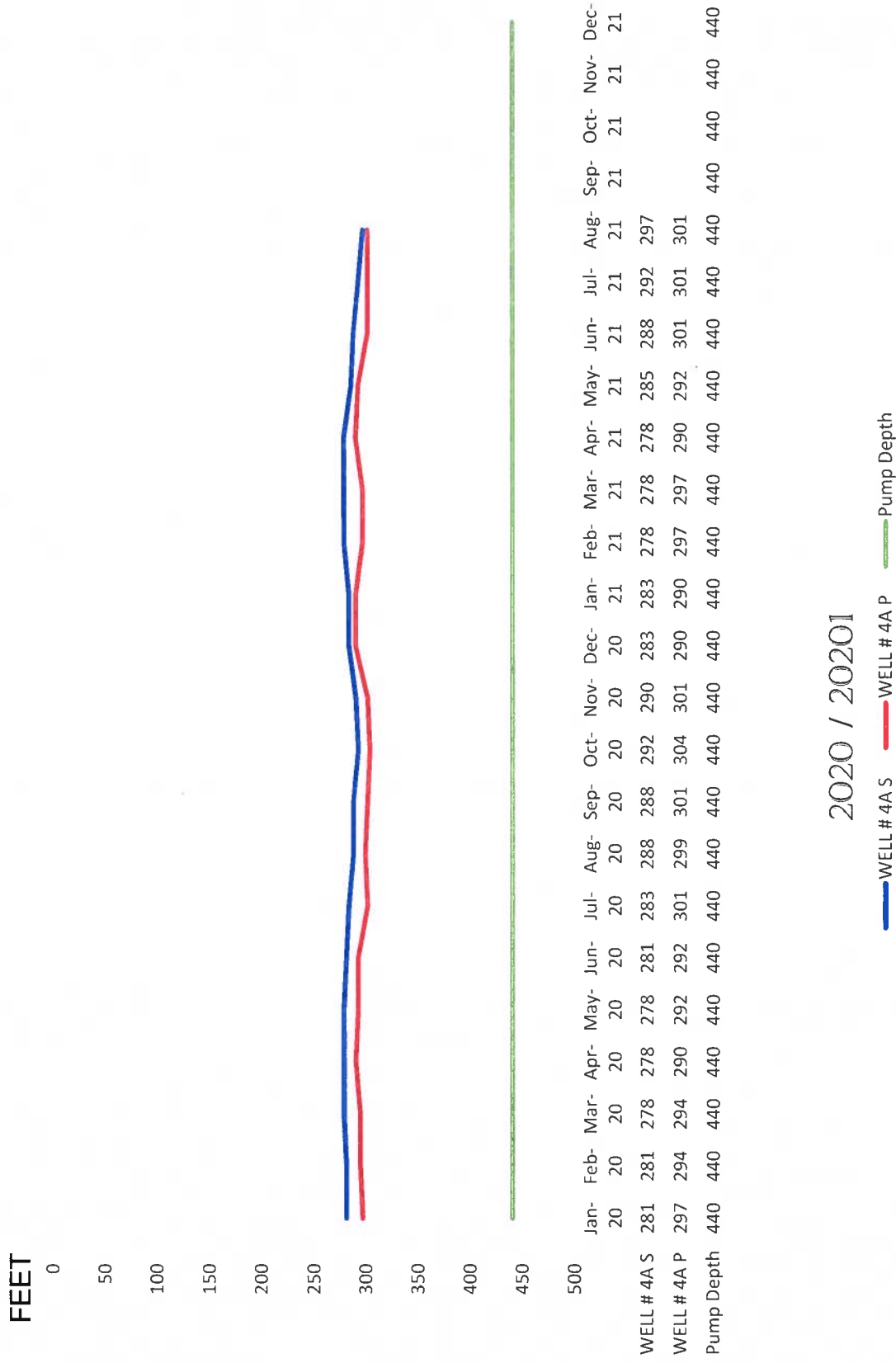
## WELL #3A Monthly Water Levels / 2 years



2020 / 2021

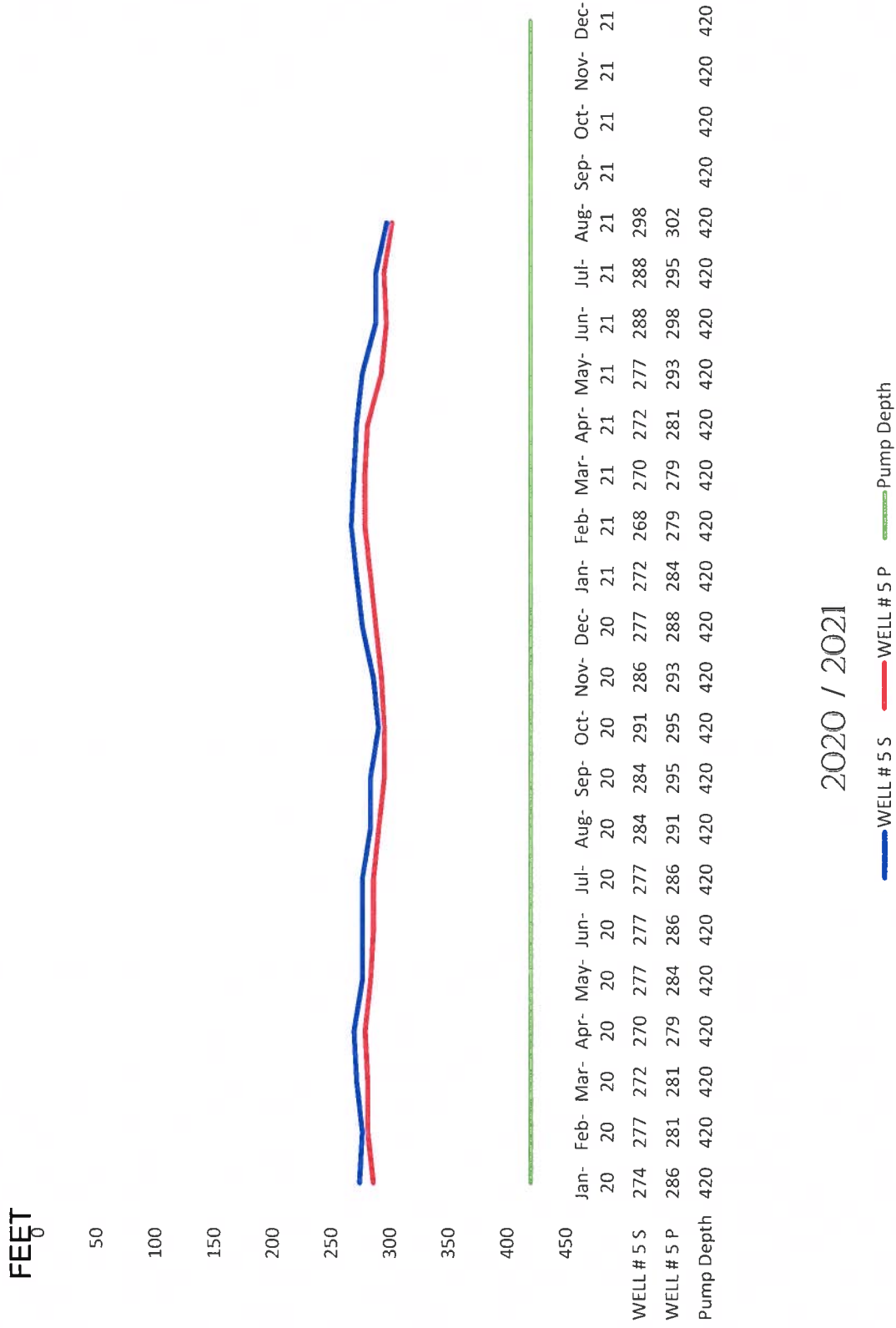
# SHEEP CREEK WATER COMPANY

## WELL #4A Monthly Water Levels / 2 years



# SHEEP CREEK WATER COMPANY

## WELL #5 Monthly Water Levels / 2 years





WELL #8 Monthly Water Levels / 2 years





# SHEEP CREEK WATER COMPANY

WELL #11 Monthly Water Levels / 2 years

FEET  
850

900

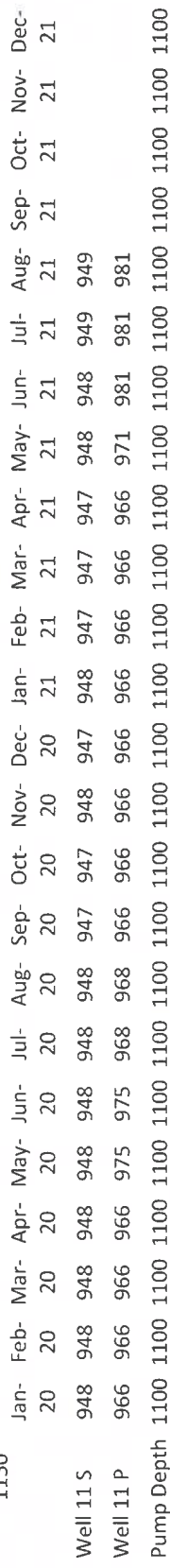
950

1000

1050

1100

1150

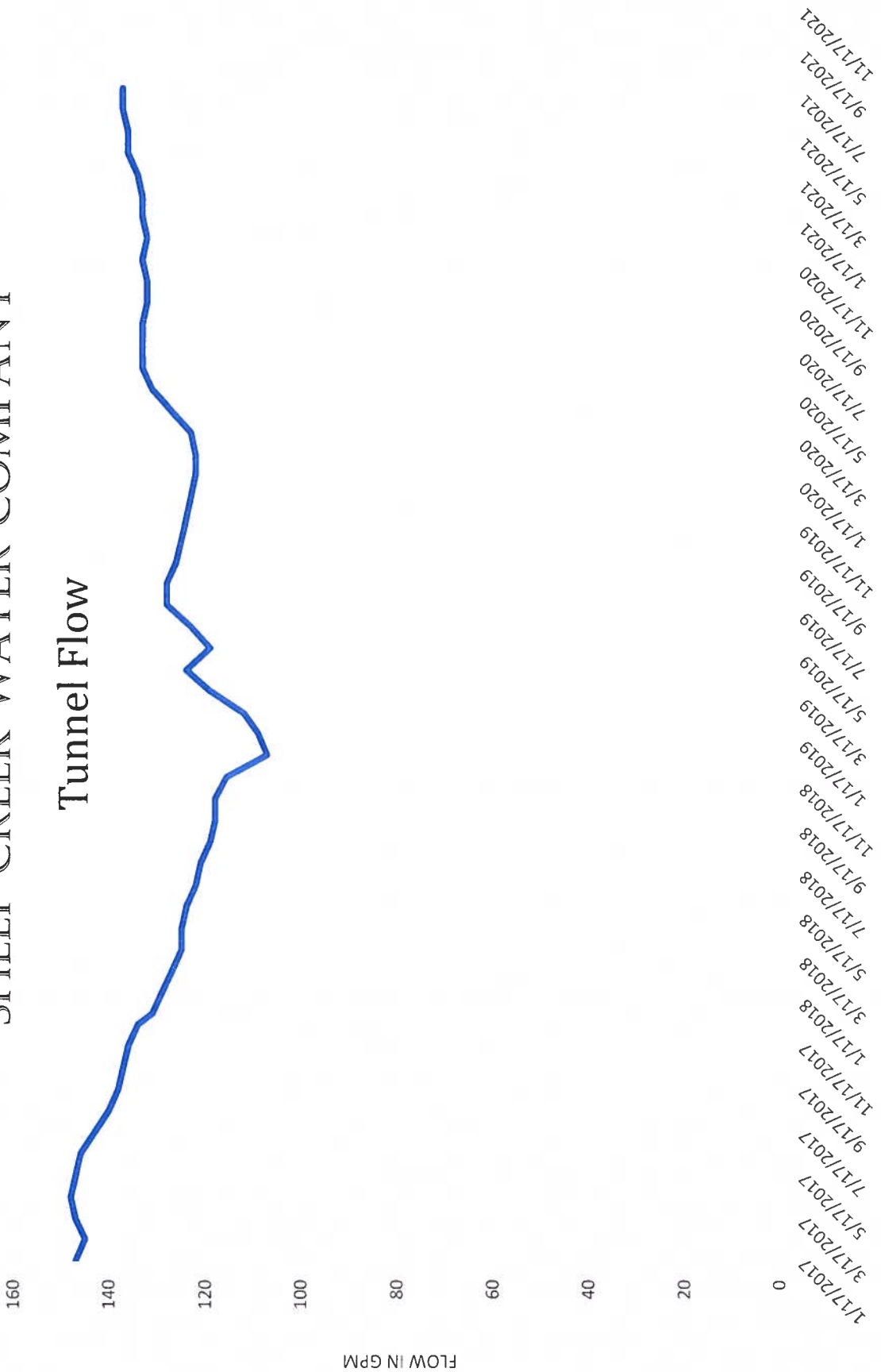


2020 / 2021

Well 11 S Well 11 P Pump Depth

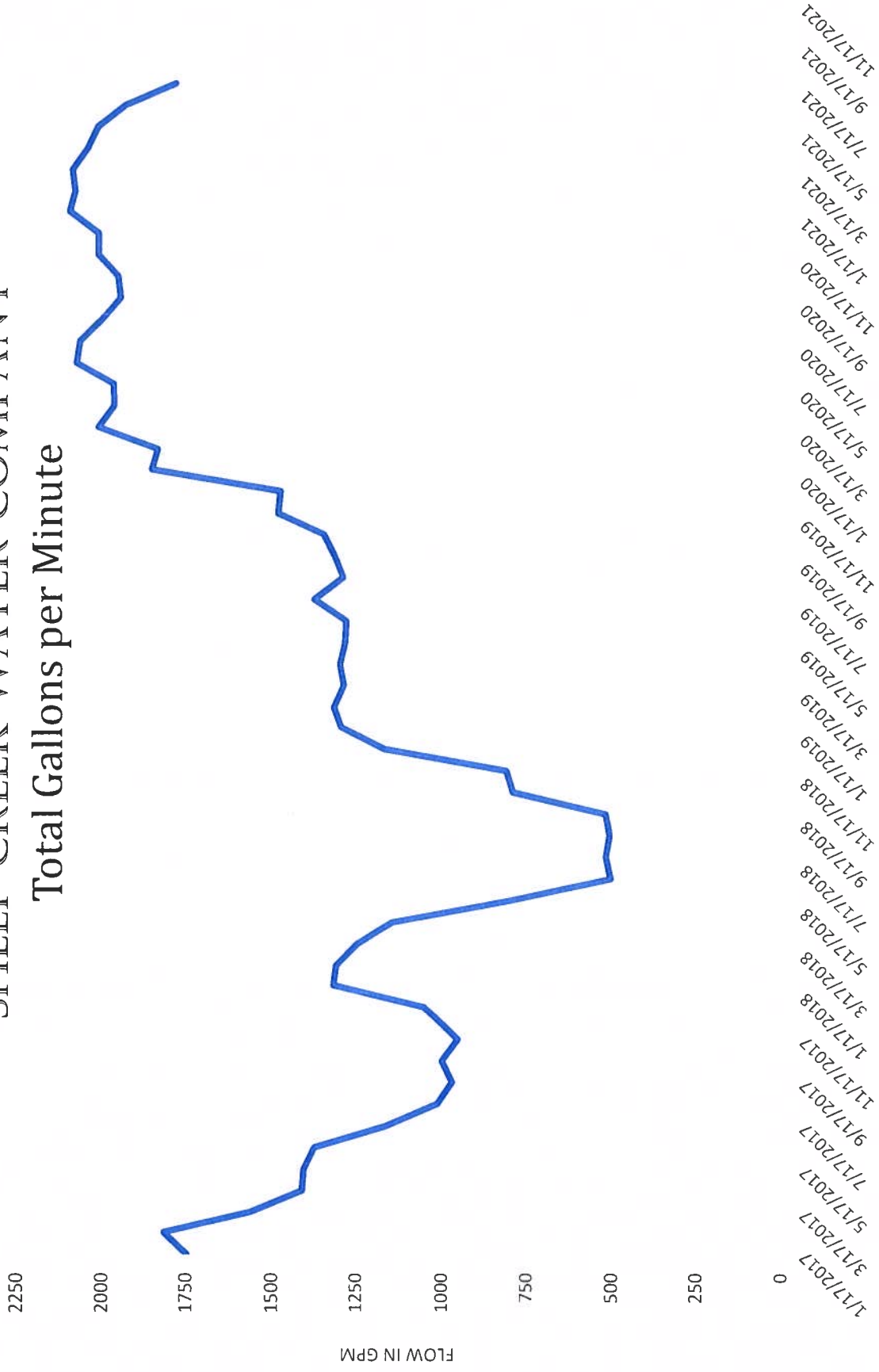
# SHEEP CREEK WATER COMPANY

## Tunnel Flow

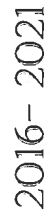


# SHEEP CREEK WATER COMPANY

Total Gallons per Minute



## 2016-2021



SHEEP CREEK WATER COMPANY  
Daily Operation Report

**August 2021**

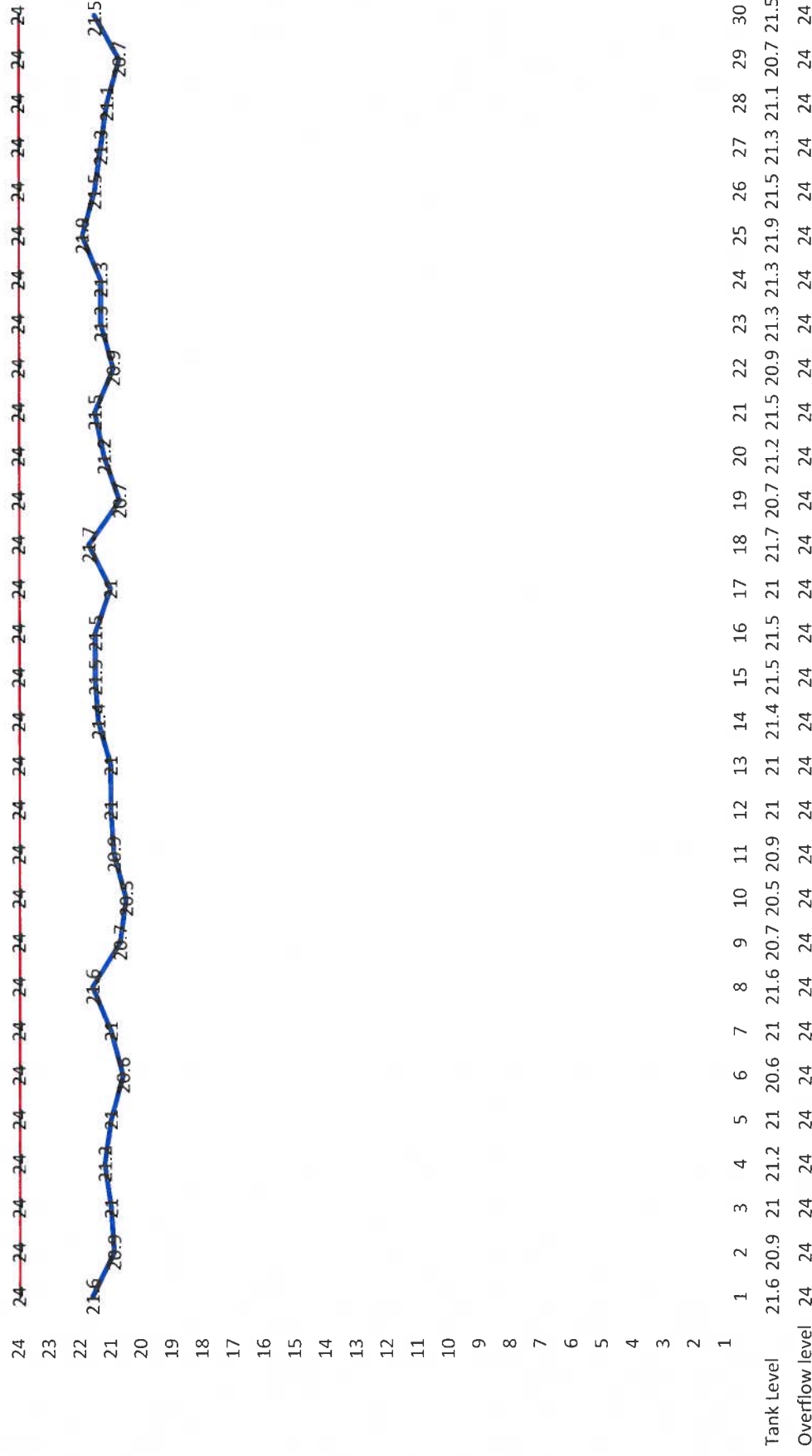
Tank # 2 & 4 856000 24 0				Tank # 3 210000 16 0				Tank # 5 141000 16 0				Tank # 6 912000 24 0				Tank # 7 1,000,000 16 0				Tank # 8 3,000,000 24 0			
Day	Level			Level			Level			Level			Level			Level							
	GALLS	Ft	In	GALLS	Ft	In	GALLS	Ft	In	GALLS	Ft	In	GALLS	Ft	In	GALLS	Ft	In					
31	743,055	20	10	197,969	15	1	99,140	11	3	797,998	21	0	812,499	13	0	2,752,408	20	10					
30	766,833	21	6	197,969	15	1	92,531	10	6	778,998	20	6	812,499	13	0	2,840,485	21	6					
29	737,111	20	8	197,969	15	1	95,468	10	10	797,998	21	0	859,374	13	9	2,730,388	20	8					
28	751,972	21	1	197,969	15	1	101,343	11	6	702,999	18	6	812,499	13	0	2,785,436	21	1					
27	757,916	21	3	197,969	15	1	102,812	11	8	835,998	22	0	843,749	13	6	2,807,456	21	3					
26	766,833	21	6	197,969	15	1	93,999	10	8	835,998	22	0	843,749	13	6	2,840,485	21	6					
25	778,722	21	10	197,969	15	1	98,406	11	2	835,998	22	0	843,749	13	6	2,884,523	21	10					
24	760,888	21	4	197,969	15	1	98,406	11	2	835,998	22	0	750,000	12	0	2,818,465	21	4					
23	760,888	21	4	197,969	15	1	92,531	10	6	835,998	22	0	848,958	13	7	2,818,465	21	4					
22	746,027	20	11	197,969	15	1	93,999	10	8	835,998	22	0	817,708	13	1	2,763,417	20	11					
21	766,833	21	6	197,969	15	1	99,874	11	4	740,998	19	6	843,749	13	6	2,840,485	21	6					
20	754,944	21	2	197,969	15	1	96,202	10	11	816,998	21	6	843,749	13	6	2,796,446	21	2					
19	737,111	20	8	197,969	15	1	100,609	11	5	835,998	22	0	812,499	13	0	2,730,388	20	8					
18	772,777	21	8	197,969	15	1	99,874	11	4	835,998	22	0	895,833	14	4	2,862,504	21	8					
17	748,999	21	0	197,969	15	1	105,015	11	11	835,998	22	0	817,708	13	1	2,774,427	21	0					
16	766,833	21	6	197,969	15	1	88,124	10	0	835,998	22	0	869,791	13	11	2,840,485	21	6					
15	766,833	21	6	197,969	15	1	96,202	10	11	778,998	20	6	760,416	12	2	2,840,485	21	6					
14	763,861	21	5	197,969	15	1	93,265	10	7	797,998	21	0	864,583	13	10	2,829,475	21	5					
13	748,999	21	0	197,969	15	1	102,812	11	8	797,998	21	0	812,499	13	0	2,774,427	21	0					
12	748,999	21	0	197,969	15	1	102,812	11	8	797,998	21	0	854,166	13	8	2,774,427	21	0					
11	746,027	20	11	197,969	15	1	88,124	10	0	816,998	21	6	750,000	12	0	2,763,417	20	11					
10	731,166	20	6	197,969	15	1	92,531	10	6	816,998	21	6	843,749	13	6	2,708,369	20	6					
09	737,111	20	8	197,969	15	1	102,077	11	7	835,998	22	0	812,499	13	0	2,730,388	20	8					
08	769,805	21	7	197,969	15	1	99,874	11	4	835,998	22	0	906,249	14	6	2,851,494	21	7					
07	748,999	21	0	197,969	15	1	96,937	11	0	835,998	22	0	864,583	13	10	2,774,427	21	0					
06	734,138	20	7	197,969	15	1	99,874	11	4	835,998	22	0	854,166	13	8	2,719,379	20	7					
05	748,999	21	0	197,969	15	1	102,077	11	7	797,998	21	0	812,499	13	0	2,774,427	21	0					
04	754,944	21	2	197,969	15	1	102,812	11	8	740,998	19	6	927,083	14	10	2,796,446	21	2					
03	748,999	21	0	197,969	15	1	93,999	10	8	835,998	22	0	781,250	12	6	2,774,427	21	0					
02	740,083	20	9	197,969	15	1	103,546	11	9	835,998	22	0	822,916	13	2	2,741,398	20	9					
01	769,805	21	7	197,969	15	1	103,546	11	9	835,998	22	0	869,791	13	11	2,851,494	21	7					
AV.LEVEL				21	5		15	1		11	6		21	2		13	5		21	5			

MSEXCEL/Tank Levels

# SHEEP CREEK WATER COMPANY

FEET

Tank 2, 4 & 8 Water Levels



AUGUST 2021

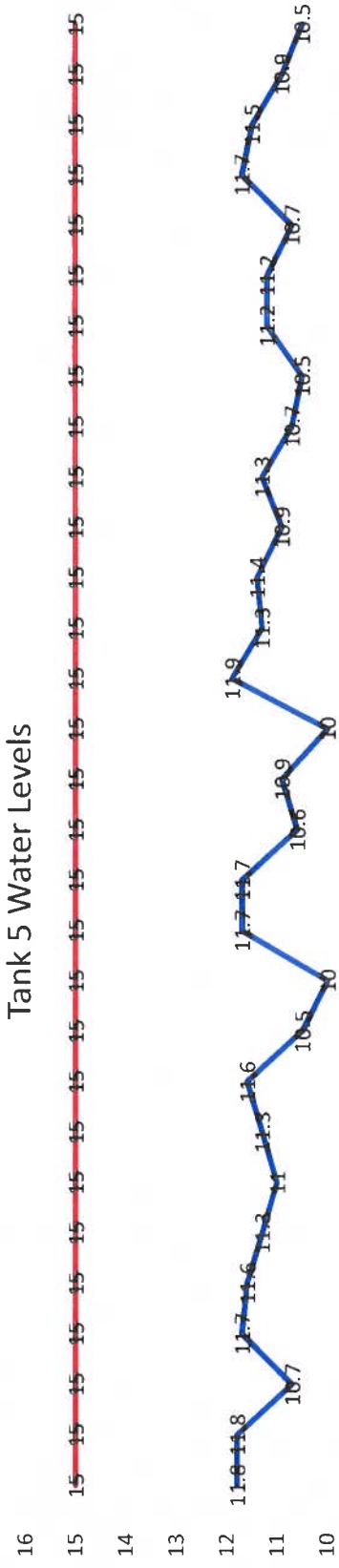
— Tank Level — Overflow level





# SHEEP CREEK WATER COMPANY

FEET



1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Tank Level	11.8	11.8	10.7	11.7	11.6	11.3	11	11.3	11.6	10.5	10	11.7	11.7	10.6	10.9	10	11.9	11.3	11.4	10.9	11.3	10.7	10.5	11.2	11.2	10.7	11.7	11.5	10.9	10.5
Overflow level	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

— Tank Level — Overflow level

AUGUST 2021

FEET

24



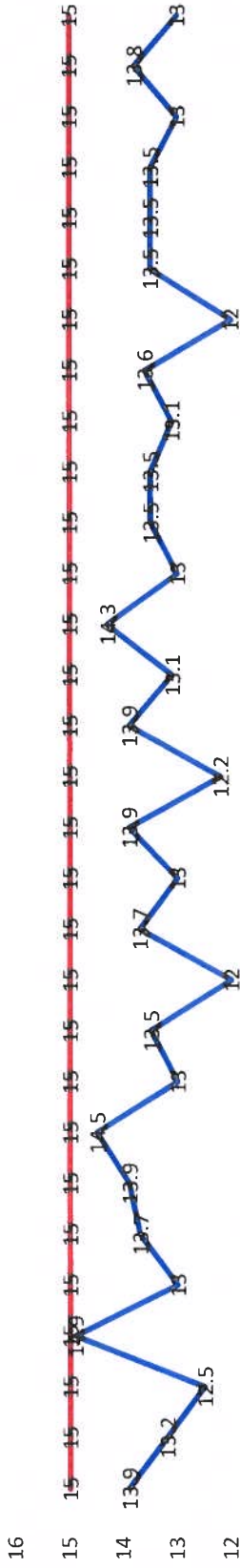
Tank Level

— Tank Level — Overflow level

# SHEEP CREEK WATER COMPANY

Tank 7 Water Levels

FEET



1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Tank Level	13.9	13.2	12.5	14.9	13	13.7	13.9	14.5	13	13.5	12	13.7	13	13.9	12.2	13.9	13.1	14.3	13	13.5	13.5	13.1	13.6	12	13.5	13.5	13.5	13	13.8	13
Overflow level	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

AUGUST 2021

— Tank Level — Overflow level