#### MFMO

TO: District Manager

FROM: Director of Operations

SUBJECT: OPERATIONS DEPARTMENT STATUS REPORT

**MARCH 2020** 

DATE: April 16, 2020

#### **RECOMMENDATION:**

It is recommended that the District Manager review and file the Operations Department Project Status Report for the month of March 2020.

#### **BACKGROUND:**

#### COVID 19

Due to the pandemic staff has been isolated and working separately out of District Vehicles. Essentials to keep safe drinking water flowing to the tap is our main priority. Things have been going smoothly and will continue.

#### DISTRICT WIDE FLUSHING

In March 2020 District staff continued the District's flushing program. Flushing began Monday February 3, 2020. The Flushing program is moving right along and staff has continued to see flushing moving along well with the extended period of time on surface water in 2019.

The flushing program is going to be complete for the year on April 17, 2020.

#### BEAR CREEK ROAD SLIDE AND WATER MAIN BREAK

During the month of March 2020 staff has worked on plans and specifications for the relocation of the 8 inch main line. Coordination with the County Public Works department for layout and timeline of relocating the main line has been in process as well. Construction is set to begin the week of April 6, 2020.

On January 28, 2020 District on-call staff was called out to a main break on Bear Creek Rd. Staff responded and found that a portion of Bear Creek Rd. had slid and 26 feet of 8 inch transite pipe was missing. Staff shut down the main line and made temporary repairs with a two inch polyethylene pipe as a jumper across the slide and break area. Estimated a total of 45,000 gallons of water were lost.

#### EL SOLYO TEMPORARY TANK

Staff completed the installation of the temporary 10,000 gallon poly water tank. The old redwood tank has been removed and staff is beginning construction of a concrete pad for the installation of two 10,000 gallon poly tanks on the site.

#### **BLUE TANK GENERATOR SITE**

During the month of March 2020 District staff has not been able to work on installation of the propane service and stand by generator at this site due to the COVID 19. A crane is needed to place the propane tank and generator at this site and the District has been unable at this point to get a company out due to the pandemic. Staff will continue to seek out and schedule a crane service.

#### FELTON WATER SYSTEM WATER METER REPLACEMENT

Domestic water meters are being replaced as existing meters have reached their life expectancy. Meters are being changed to the new Beacon "Eye on Water" system that will allow customers to monitor their water usage over the internet.

#### MAINTENANCE ISSUES

Removed 80 feet of old 2 inch main line on Rosebloom Drive Felton

Began install of a small pressure system on Wells Road Felton

Installed anti climb hatch on the access ladder to Blue Tank

Secured the old Quail Well 8 well head from contamination

Changed 2 inch meter at the Felton Laundromat

James Furtado

**Director of Operations** 

## SAN LORENZO VALLEY WATER DISTRICT PRODUCTION COMPARRISON

Source	March-20	February-20	March-13	Difference This Year To 2013
North System				
Surface Water Sources				
Foreman Creek	6,622,451	11,229,884	28,219,000	
Peavine Creek + Hydro	1,423,351	1,625,535	5,297,000	
Clear Creek	4,945,319	5,532,349		
Sweetwater Creek	3,296,879	3,688,232		
Sub-Total (Streams)	16,288,000	22,076,000	33,516,000	-51.40%
Wells (North)				
Olympia No. 2	392,000	1,413,000	0	
Olympia No. 3	0	149,000	0	
Quail Well No. 4-A	7,942,000	4,920,000	1,610,000	
Quail Well No. 5-A	-	-	4,800	
Sub Total North Wells	8,334,000	6,482,000	1,614,800	416.10%
South System Wells				
Pasatiempo 5A	4,082,400	4,061,500	N/A	
Pasatiempo 6	-	-	6,227,000	
Pasatiempo 7	1,061,000	1,059,000	2,125,000	
Pasatiempo 8	2,728,970	2,549,220	N/A	
Sub Total Pasatiempo Wells	5,143,400	5,120,500	8,352,000	-38.42%
North South All Sources Combined	29,765,400	33,678,500	43,482,800	-31.55%
Felton System - Surface Water				
Fall Creek	4,410,669	4,258,068	5,004,570	
Bennett Spring	2,546,192	2,436,236	4,158,400	
Bull 1 & 2	1,277,584	1,142,196	4,130,500	
Total Felton System Sources	8,234,445	7,836,500	13,293,470	-38.06%
Manana Woods System				
Well 1	-	-	386,725	
Total Manana Woods Sources	-	-	386,725	
Sub - Total Production				
North / Felton / Manana	37,999,845	41,515,000	57,162,995	-33.52%
Surface	24,522,445	29,912,500	46,809,470	-47.61%
Wells	13,477,400	11,602,500	10,353,525	30.17%
Total Surface Water Percentage Total Wells Percentage	64.53 35.47	72.05 27.95	81.89 18.11	-21.19% 95.82%

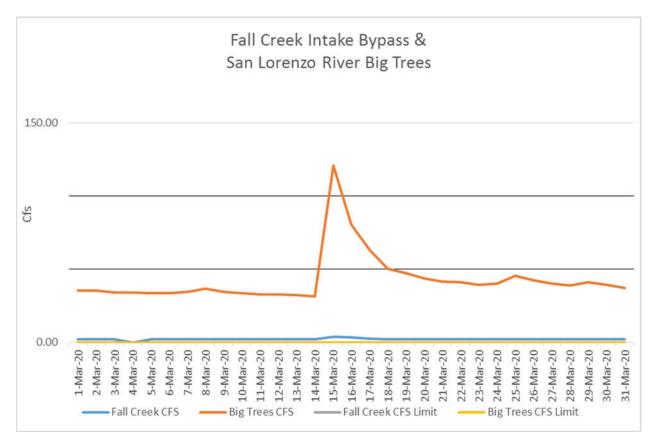
# SAN LORENZO VALLEY WATER DISTRICT PRODUCTION BY SYSTEM +/- INTERTIES March 2020

North System All Sources	29,765,400
Interties IN +	624,171
Interties OUT -	3
TOTAL NORHT SYSTEM	30,389,568
Felton Water system All Sources	8,234,445
Interties IN +	0
Interties OUT -	0
TOTAL FELTON SYSTEM	8,234,445
Manana Woods System	
Manana Woods Well 1	0
Interties IN +	
TOTAL MANANA WOODS	0

## SAN LORENZO VALLEY WATER DISTRICT INTERTIE USAGE March 2020

INTERTIE 2		
	SLVWD to SVWD	0
	SVWD to SLVWD	0
INTERTIE 3		
SLV SC	OUTH to SLV NORTH	624,171
SLV NO	ORTH to SLV SOUTH	3
INTERTIE 4		
	SLVWD to MHWD	0
	MHWD to SLVWD	0
INTERTIE 6		
SLV NO	RTH to SLV FELTON	
SLV FEI	LTON to SLV NORTH	-

#### Fall Creek Intake March 2020



#### Normal Rainfall Fall Creek Intake Bypass Requirements

April 1 through October 31 1.0 cubic feet per second

November 1 through March 31 1.5 cubic feet per second

**Dry Conditions Fall Creek Intake Bypass Requirements** 

April 1 through October 31 0.5 cubic feet per second

November 1 through March 31 0.75 cubic feet per second

Number of Days in month 0.75 cfs or below, ZERO days

San Lorenzo River USGS Big Trees Flow Requirements

September 11 cubic feet per second

October 26 cubic feet per second

November 1 through May 31 21 cubic feet per second

June - August No Requirements

#### Fall Creek Intake March 2020

For the protection of fish and wildlife, during the period: (a) April 1 through October 31 bypass a minimum of 0.5 cfs; (b) November 1 through March 31 bypass a minimum of 1.5 cfs past the Fall Creek point of diversion. The natural streamflow shall be bypassed whenever it is less than 1.5 cfs; provided, however, that during a dry year, the bypass requirement shall be reduced from 1.5 to 0.75 cfs. A dry year is defined on a monthly basis of cumulative runoff beginning October 1 of each season in the San Lorenzo River at the USGS gage at Big Trees. These runoff figures are based on approximately 50 percent of normal runoff as the dividing level between normal and dry year runoff and are as, follows:

- November 1 for the month of October 500 af
- December 1 for October-November, inclusive 1,500 af
- January 1 for October-December, inclusive 5,000 af
- February 1 for October-January, inclusive 12,500 af
- March 1 for October-February, inclusive 26,500 af

6         0745         SS         1         109         25         1.945         33.4         0         yes         yes           6         0815         TH         1         94         25         2.004         33.4         0         yes         yes           7         1000         HO         1         94         25         2.083         36.6         0.09         yes         yes           8         0945         HO         1         97         25         2.083         36.6         0.09         yes         yes           9         0830         TH         1         101         25         1.994         34.7         0         yes         yes           10         0730         KM         1         133         25         1.887         32.7         0.03         yes         yes           12         0745         KM         1         130         25         1.877         32.7         0         yes         yes           13         0900         SS         1         117         25         1.877         32.1         0         yes         yes           13         0900         TH </th <th></th> <th colspan="12">Fall Creek Weir Measurement</th>		Fall Creek Weir Measurement											
Date   Time   Initials   Pump #   Fail Cr.   GPM Into   Kirby plant				_				500 Acre-ft Oc	t-Feb Normal	Big Trees <26,500 Acre-ft Oct-Feb Dry Year			
Date   Time   Initials   Pump #   Fall Cr.   GPM into Kirby plant   (Inchas)   Fall Cree Bypass   Height (Inchas)   Fall Cree Bypass   (CFS)   (CFS)   (CFS)   (CFS)   (Felton gauge)   (Felton gauge)   Policy Polar   Policy Poli		Month:	Ma	arch	Year:	2020	Year					x	
2         0745         SS         2         123         25         2.052         35.3         0         yes         yes           3         0810         SS         1         126         25         1.994         34         0         yes         yes           4         1000         SS         1         0°         25         1.893         34         0         yes         yes         "FC Maintenance, weir pulk           5         0745         SS         1         109         25         1.945         33.4         0         yes         yes           6         0815         TH         1         94         25         2.004         33.4         0         yes         yes           7         1000         HO         1         94         25         2.063         36.6         0.09         yes         yes           8         0945         HO         1         97         25         2.063         36.6         0.09         yes         yes           9         0830         TH         1         101         25         1.994         34.7         0         yes         yes           11	Date		Initials	Pump#	GPM into	Board Height	Bypass	Bypass		Requirement: Normal Year Apil 1 - Oct 31 1.0 cfs; Nov 1 March 31 1.5 cfs Dry Year April 1- Oct 31 0.5 cfs Nov. 1 -	Requirement Nov-May 20cfs Sept 10 cfs Oct 25 cfs		
3         0810         SS         1         126         25         1.994         34         0         yes         yes         yes           4         1000         SS         1         0°         25         1.603°         34         0         yes         yes         yes         'FC Maintenance, weir pulle           5         0745         SS         1         109         25         1.946         33.4         0         yes         yes         yes           6         0815         TH         1         94         25         2.002         34.7         0.1         yes         yes         yes           7         1000         HO         1         94         25         2.062         34.7         0.1         yes         yes           9         0830         TH         1         101         25         1.994         34.7         0         yes         yes           10         0730         KM         1         133         25         1.897         32.7         0         yes         yes           12         0745         KM         1         133         25         1.887         32.7         0	1			2	126	25	2.06	35.4	0	yes	yes		
4         1000         SS         1         0"         25         1.603"         34         0         yes         yes         yes         *FC Maintenance, weir public           5         0.745         SS         1         109         25         1.945         33.4         0         yes         yes           6         0.815         TH         1         1         94         25         2.004         33.4         0         yes         yes           7         1000         HO         1         94         25         2.082         34.7         0.1         yes         yes           8         0.945         HO         1         97         25         2.063         36.6         0.09         yes         yes           9         0.830         TH         1         101         25         1.935         33.4         0         yes         yes           10         0.730         KM         1         130         25         1.887         32.7         0.03         yes         yes           11         0.730         KM         1         130         25         1.877         32.1         0         yes <t< td=""><td>2</td><td></td><td></td><td>2</td><td>123</td><td>25</td><td>2.052</td><td>35.3</td><td>0</td><td>yes</td><td>yes</td><td></td></t<>	2			2	123	25	2.052	35.3	0	yes	yes		
6         0745         SS         1         109         25         1.945         33.4         0         yes         yes           6         0815         TH         1         94         25         2.004         33.4         0         yes         yes           7         1000         HO         1         94         25         2.083         36.6         0.09         yes         yes           8         0945         HO         1         97         25         2.063         36.6         0.09         yes         yes           9         0830         TH         1         101         25         1.994         34.7         0         yes         yes           10         0730         KM         1         133         25         1.887         32.7         0.03         yes         yes           12         0745         KM         1         133         25         1.877         32.7         0         yes         yes           12         0745         KM         1         130         25         1.877         32.7         0         yes         yes           12         0745         KM </td <td>3</td> <td></td> <td></td> <td>1</td> <td></td> <td>25</td> <td>1.994</td> <td></td> <td>0</td> <td>yes</td> <td>yes</td> <td></td>	3			1		25	1.994		0	yes	yes		
6         0815         TH         1         94         25         2.004         33.4         0         yes         yes           7         1         1000         HO         1         94         25         2.083         34.7         0.1         yes         yes           8         0945         HO         1         97         25         2.083         36.6         0.09         yes         yes           9         0830         TH         1         101         25         1.994         34.7         0         yes         yes           10         0730         KM         1         130         25         1.935         33.4         0         yes         yes           11         0730         KM         1         133         25         1.887         32.7         0.03         yes         yes           12         0745         KM         1         130         25         1.877         32.7         0         yes         yes           13         0900         SS         1         117         25         1.877         32.1         0         yes         yes           15         0910 <td>4</td> <td></td> <td></td> <td>1</td> <td>0*</td> <td>25</td> <td>1.603*</td> <td>34</td> <td>0</td> <td>yes</td> <td>yes</td> <td>*FC Maintenance, weir pulled</td>	4			1	0*	25	1.603*	34	0	yes	yes	*FC Maintenance, weir pulled	
7         1000         HO         1         94         25         2.082         34.7         0.1         yes         yes           8         0.945         HO         1         97         25         2.063         36.6         0.09         yes         yes           9         0.830         TH         1         101         25         1.994         34.7         0         yes         yes           10         0.730         KM         1         130         25         1.994         34.7         0         yes         yes           11         0.730         KM         1         133         25         1.887         32.7         0.03         yes         yes           12         0.745         KM         1         130         25         1.877         32.7         0         yes         yes           12         0.745         KM         1         110         25         1.877         32.7         0         yes         yes           12         0.745         KM         1         110         25         1.877         32.1         0         yes         yes           14         0.935	5	0745	SS	1	109	25	1.945	33.4	0	yes	yes		
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15         0910         TH         1         90         25         3.803         121         2.02         yes         yes           16         0800         TH         1         86         25         3.294         80.4         0.44         yes         yes           17         0745         KM         1         99         25         2.366         62.9         0.04         yes         yes           18         0830         JG         1         117         25         2.179         50.2         0.05         yes         yes           19         0745         KM         1         91         25         2.23         47         0.02         yes         yes           20         0815         JG         1         80         25         2.209         43.9         0         yes         yes           21         1000         SS         1         86         25         2.16         41.6         0.04         yes         yes           22         0945         SS         1         106         25         2.072         40.9         0.03         yes         yes           23         0830	13	0900	SS	1	117	25	1.877	32.1	0	yes	yes		
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18         0830         JG         1         117         25         2.179         50.2         0.05         yes         yes           19         0745         KM         1         91         25         2.23         47         0.02         yes         yes           20         0815         JG         1         80         25         2.209         43.9         0         yes         yes           21         1000         SS         1         86         25         2.16         41.6         0.04         yes         yes           22         0945         SS         1         106         25         2.072         40.9         0.03         yes         yes           23         0830         JG         1         81         25         2.033         39.4         0         yes         yes           24         0730         KM         1         92         25         1.994         40.1         0.02         yes         yes           25         0750         KM         1         75         25         1.975         45.4         0.06         yes         yes           26         0745         <	16	0800	TH	1	86	25	3.294	80.4	0.44	yes	yes		
19         0745         KM         1         91         25         2.23         47         0.02         yes         yes           20         0815         JG         1         80         25         2.209         43.9         0         yes         yes           21         1000         SS         1         86         25         2.16         41.6         0.04         yes         yes           22         0945         SS         1         106         25         2.072         40.9         0.03         yes         yes           23         0830         JG         1         81         25         2.033         39.4         0         yes         yes           24         0730         KM         1         92         25         1.994         40.1         0.02         yes         yes           25         0750         KM         1         75         25         1.975         45.4         0.06         yes         yes           26         0745         KM         1         90         25         1.975         42.3         0.03         yes         yes           27         0800 <t< td=""><td>17</td><td>0745</td><td>KM</td><td>1</td><td>99</td><td>25</td><td>2.366</td><td>62.9</td><td>0.04</td><td>yes</td><td>yes</td><td></td></t<>	17	0745	KM	1	99	25	2.366	62.9	0.04	yes	yes		
20       0815       JG       1       80       25       2.209       43.9       0       yes       yes         21       1000       SS       1       86       25       2.16       41.6       0.04       yes       yes         22       0945       SS       1       106       25       2.072       40.9       0.03       yes       yes         23       0830       JG       1       81       25       2.033       39.4       0       yes       yes         24       0730       KM       1       92       25       1.994       40.1       0.02       yes       yes         25       0750       KM       1       75       25       1.975       45.4       0.06       yes       yes         26       0745       KM       1       90       25       1.975       42.3       0.03       yes       yes         27       0800       KM       1       83       25       2.023       40.1       0.07       yes       yes         28       1045       JG       1       88       25       2.063       38.7       0.05       yes       yes <td>18</td> <td>0830</td> <td>JG</td> <td>1</td> <td>117</td> <td>25</td> <td>2.179</td> <td>50.2</td> <td>0.05</td> <td>yes</td> <td>yes</td> <td></td>	18	0830	JG	1	117	25	2.179	50.2	0.05	yes	yes		
21       1000       SS       1       86       25       2.16       41.6       0.04       yes       yes         22       0945       SS       1       106       25       2.072       40.9       0.03       yes       yes         23       0830       JG       1       81       25       2.033       39.4       0       yes       yes         24       0730       KM       1       92       25       1.994       40.1       0.02       yes       yes         25       0750       KM       1       75       25       1.975       45.4       0.06       yes       yes         26       0745       KM       1       90       25       1.975       42.3       0.03       yes       yes         27       0800       KM       1       83       25       2.023       40.1       0.07       yes       yes         28       1045       JG       1       88       25       2.063       38.7       0.05       yes       yes         29       1310       JG       1       94       25       2.179       40.9       0.21       yes       yes	19	0745	KM	1	91	25	2.23	47	0.02	yes	yes		
21       1000       SS       1       86       25       2.16       41.6       0.04       yes       yes         22       0945       SS       1       106       25       2.072       40.9       0.03       yes       yes         23       0830       JG       1       81       25       2.033       39.4       0       yes       yes         24       0730       KM       1       92       25       1.994       40.1       0.02       yes       yes         25       0750       KM       1       75       25       1.975       45.4       0.06       yes       yes         26       0745       KM       1       90       25       1.975       42.3       0.03       yes       yes         27       0800       KM       1       83       25       2.023       40.1       0.07       yes       yes         28       1045       JG       1       88       25       2.063       38.7       0.05       yes       yes         29       1310       JG       1       94       25       2.179       40.9       0.21       yes       yes	20	0815	JG	1	80	25	2.209	43.9	0				
22         0945         SS         1         106         25         2.072         40.9         0.03         yes         yes           23         0830         JG         1         81         25         2.033         39.4         0         yes         yes           24         0730         KM         1         92         25         1.994         40.1         0.02         yes         yes           25         0750         KM         1         75         25         1.975         45.4         0.06         yes         yes           26         0745         KM         1         90         25         1.975         42.3         0.03         yes         yes           27         0800         KM         1         83         25         2.023         40.1         0.07         yes         yes           28         1045         JG         1         88         25         2.063         38.7         0.05         yes         yes           29         1310         JG         1         94         25         2.179         40.9         0.21         yes         yes           30         0900	21	1000	SS	1	86				0.04				
23       0830       JG       1       81       25       2.033       39.4       0       yes       yes         24       0730       KM       1       92       25       1.994       40.1       0.02       yes       yes         25       0750       KM       1       75       25       1.975       45.4       0.06       yes       yes         26       0745       KM       1       90       25       1.975       42.3       0.03       yes       yes         27       0800       KM       1       83       25       2.023       40.1       0.07       yes       yes         28       1045       JG       1       88       25       2.063       38.7       0.05       yes       yes         29       1310       JG       1       94       25       2.179       40.9       0.21       yes       yes         30       0900       KM       1       106       25       1.984       39.4       0.02       yes       yes	22	0945	SS	1	106		2.072		0.03	yes			
24         0730         KM         1         92         25         1.994         40.1         0.02         yes         yes           25         0750         KM         1         75         25         1.975         45.4         0.06         yes         yes           26         0745         KM         1         90         25         1.975         42.3         0.03         yes         yes           27         0800         KM         1         83         25         2.023         40.1         0.07         yes         yes           28         1045         JG         1         88         25         2.063         38.7         0.05         yes         yes           29         1310         JG         1         94         25         2.179         40.9         0.21         yes         yes           30         0900         KM         1         106         25         1.984         39.4         0.02         yes         yes	23	0830	JG	1	81	25	2.033	39.4	0		i i		
25     0750     KM     1     75     25     1.975     45.4     0.06     yes     yes       26     0745     KM     1     90     25     1.975     42.3     0.03     yes     yes       27     0800     KM     1     83     25     2.023     40.1     0.07     yes     yes       28     1045     JG     1     88     25     2.063     38.7     0.05     yes     yes       29     1310     JG     1     94     25     2.179     40.9     0.21     yes     yes       30     0900     KM     1     106     25     1.984     39.4     0.02     yes     yes	-		KM	1	92	25			0.02				
26     0745     KM     1     90     25     1.975     42.3     0.03     yes     yes       27     0800     KM     1     83     25     2.023     40.1     0.07     yes     yes       28     1045     JG     1     88     25     2.063     38.7     0.05     yes     yes       29     1310     JG     1     94     25     2.179     40.9     0.21     yes     yes       30     0900     KM     1     106     25     1.984     39.4     0.02     yes     yes	25	0750	KM	1	75			45.4					
27         0800         KM         1         83         25         2.023         40.1         0.07         yes         yes           28         1045         JG         1         88         25         2.063         38.7         0.05         yes         yes           29         1310         JG         1         94         25         2.179         40.9         0.21         yes         yes           30         0900         KM         1         106         25         1.984         39.4         0.02         yes         yes			KM	1	90								
28     1045     JG     1     88     25     2.063     38.7     0.05     yes     yes       29     1310     JG     1     94     25     2.179     40.9     0.21     yes     yes       30     0900     KM     1     106     25     1.984     39.4     0.02     yes     yes	27	0800	KM	1	83	25							
29     1310     JG     1     94     25     2.179     40.9     0.21     yes     yes       30     0900     KM     1     106     25     1.984     39.4     0.02     yes     yes	28	1045	JG	1				38.7	0.05				
30 0900 KM 1 106 25 1.984 39.4 0.02 yes yes	-			1							i i		
0700	30		KM	1	106								
31   U/30   IH   1   94   25   2.033   37.3   U   yes   yes	31	0730	TH	1	94	25	2.033	37.3	0	yes	yes		

#### San Lorenzo Valley Water District Loch Lomond Water Supply March 2020

#### Loch Lomond Water Level



#### Week ending Wednesday 4 / 05 / 2020

(in feet above mean sea level; lake spills at 577.15 feet)

Currently: 574.95 ft

Percent of Capacity: 95.1%

In 1958 SLVWD sold 2,500 acres of property in the vicinity of the Newell Creek Watershed to the City of Santa Cruz, with the agreement that SLVWD would be entitled to purchase 12 ½ percent of the annual safe yield from a future Newell Creek reservoir, up to a maximum of 500 AF/yr. Based on the 1958 agreement, SLVWD began receiving delivers of Loch Lomond water from the City in 1963. In 1965 the District constructed the Glen Arbor Water treatment plant for treating Loch Lomond water. Toward the end of the 1976-77 drought, the City stipulated that the District was not entitled to an allocation of 500 AF/yr, merely 12.5% of the safe yield. This decision based on a reduction to the estimated annual safe yield from the Newell Creek Reservoir, reduced the Districts contractual allocation. On June 7, 1977, the District filed a Complaint for Declaratory Relief, which requested the court to make a judicial determination of the respective parties' duties and rights. In June 1980 a court order fixed the estimated safe yield from Newell Creek Reservoir at reduced quantity, which resulted in a reduction to the Districts contractual allocation to 313 AF/yr.

#### Production Loch Lomond to SLVWD

Date	Total	Total Available
	Used	
1976 July to June 1977	353 AF	
1977 July to June 2015	0	313 AF
2015 July to 02/2016	0	313 AF
2/20/16 to Current	0	313 AF

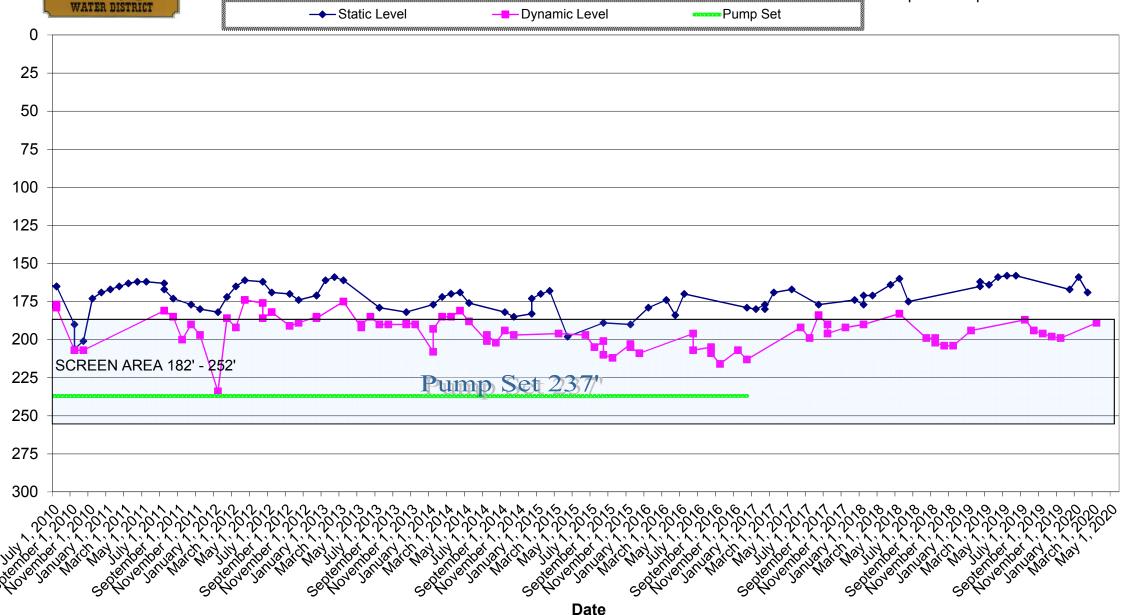
Last time District used Loch Lomond water was June 1977

Depth

### SAN LORENZO VALLEY WATER DISTRICT Well Drawdown Report Quail Well 4-A

Location: Cumora Ln. Ben Lomond

Elevation: 596.54 ft @ Pad Installed: 6-07-2001 State Well #: 4410014-026 Completed Depth: 265





### SAN LORENZO VALLEY WATER DISTRICT Well Drawdown Report Quail Well 5-A

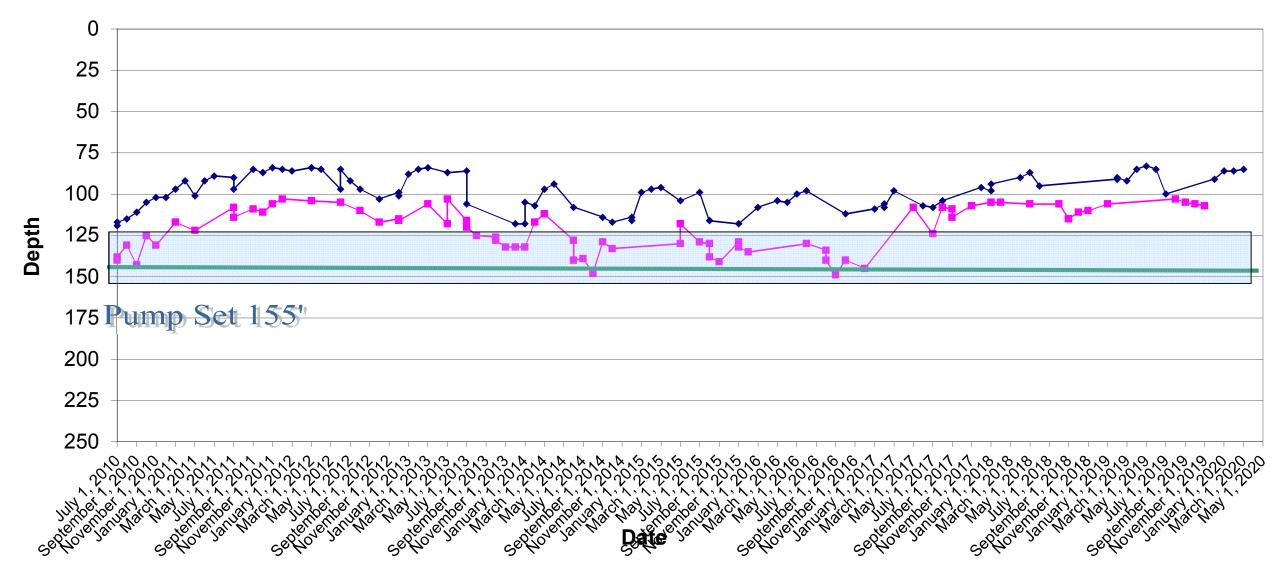
Pump Set

Location: 1161 Quail Hollow Rd.

Ben Lomond

Elevation: 517.65 ft. @ Pad Installed: March 2000 State Well #: 4410014-025

Completed Depth: 174'



## SAN LORENZO VALLEY WATER DISTRICT



Well Drawdown Report Olympia 2

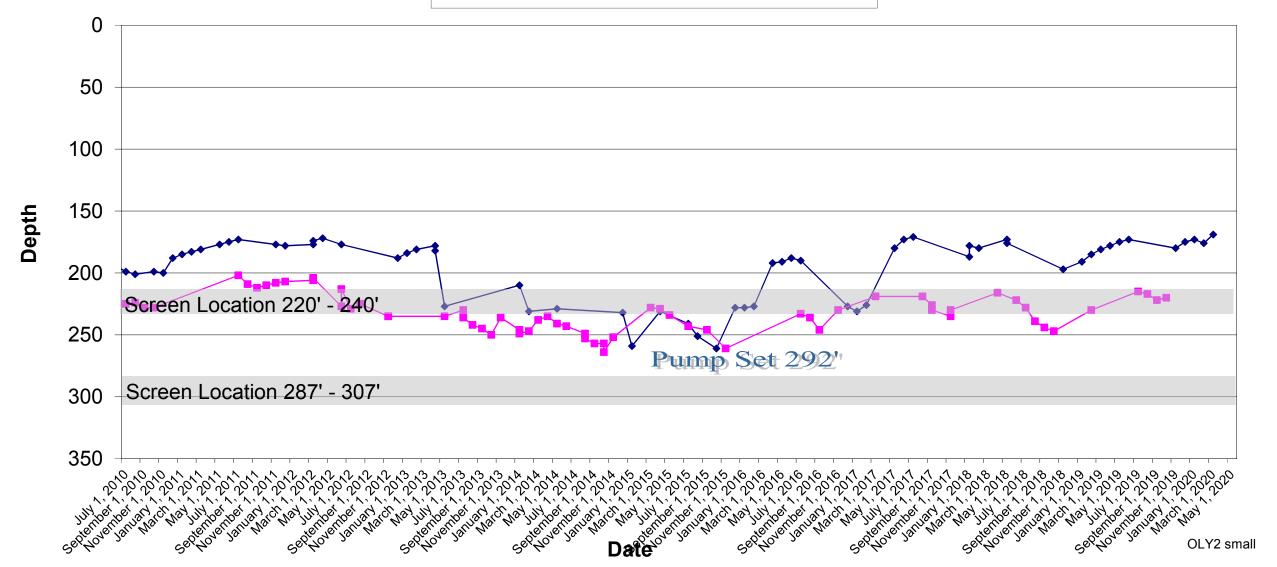
Location: 7701 E. Zayante Rd.

Elevation: 525'

Installed: April 28, 1980

State Well #:10S/O2W-11P01

New #: 4410014-010 Completed Depth: 300'



Static Level

## SAN LORENZO VALLEY WATER DISTRICT



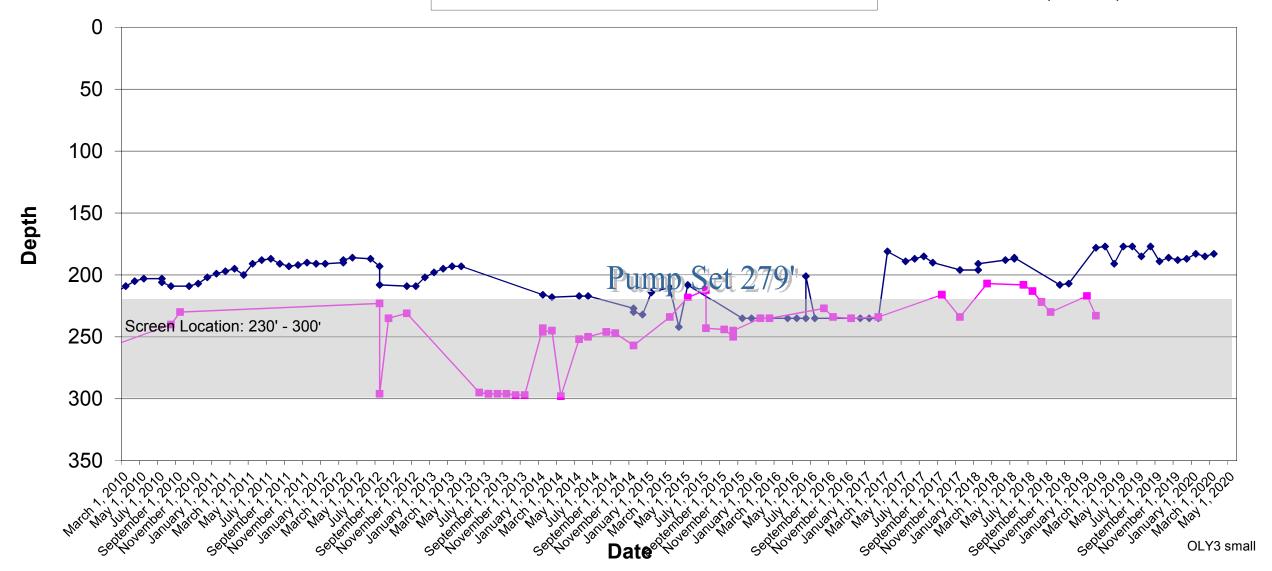
## Well Drawdown Report Olympia 3

Location: 7701 E. Zayante Rd Elevation: 538' Mean Sea Level

Installed: 8-15-90

State Well #: 4410014-022

Completed Depth:



Static Level



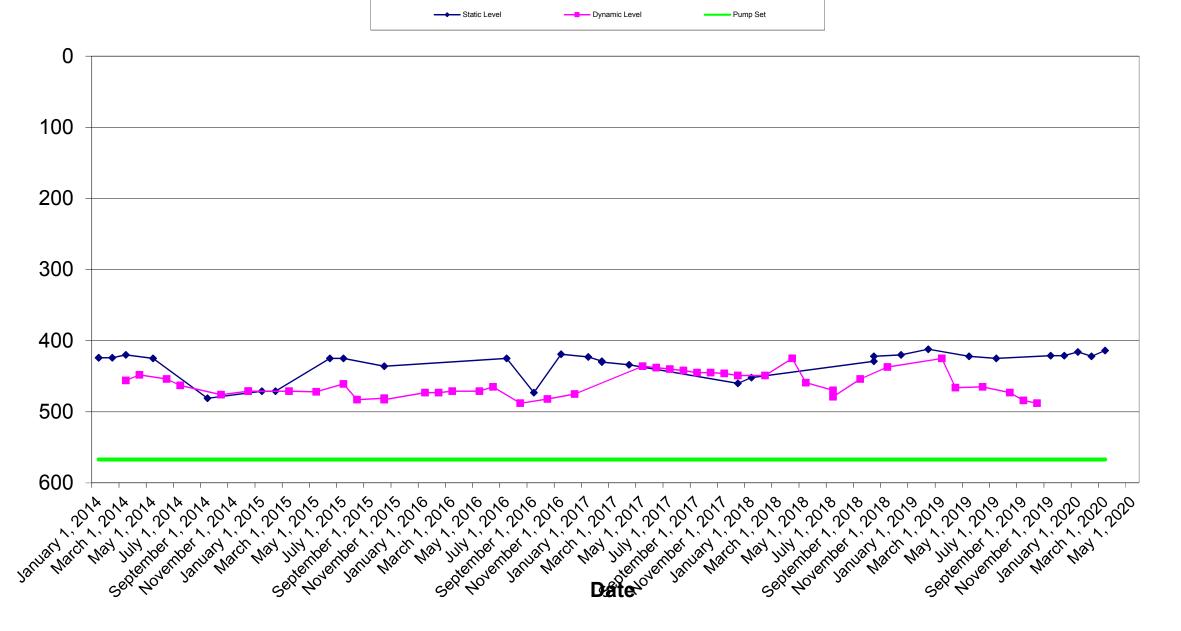
Depth

# SAN LORENZO VALLEY WATER DISTRICT Well Drawdown Report Pasatiempo 5-A

Location: So. Of 3650 Graham Hill Rd

Elevation: 752' Installed 1-1-14

State Well #:4410014-014 Completed Depth: 710'



### Softenzo Valley WATER DISTRICT

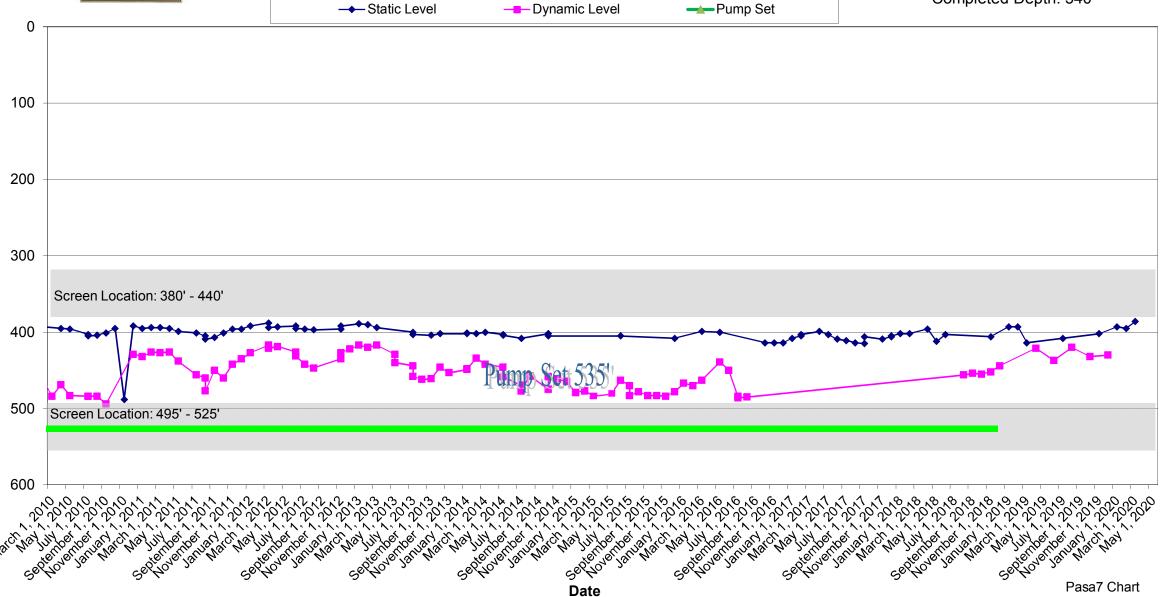
Depth

## SAN LORENZO VALLEY WATER DISTRICT Well Drawdown Report Pasatiempo 7

Location: South of Probation

Center

Elevation: 734' MSL Installed: July 21,1990 State Well #: 4410014-024 Completed Depth: 540'





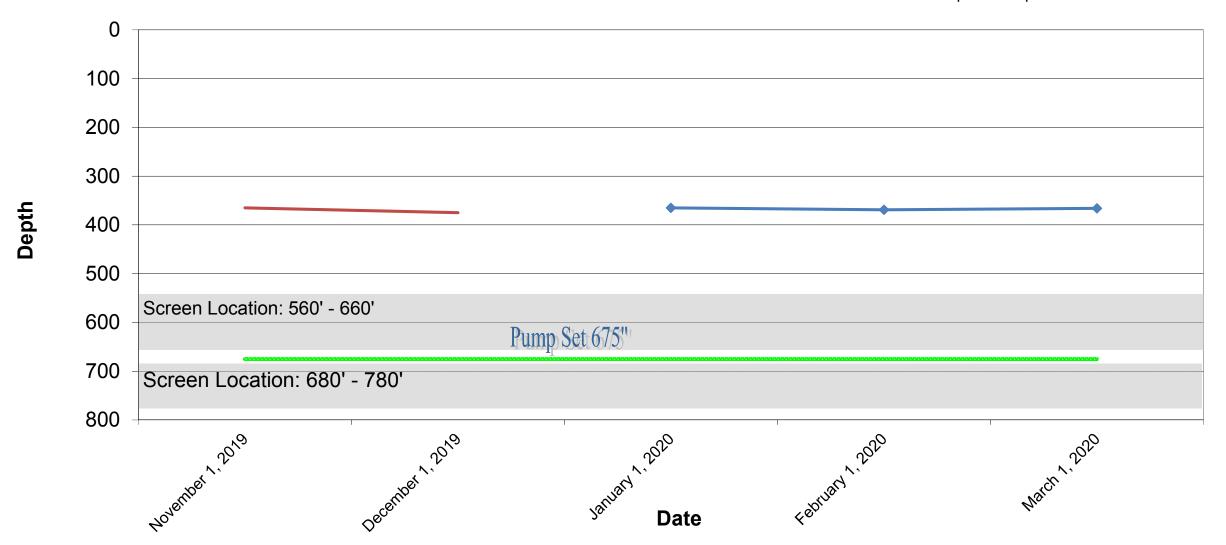
# SAN LORENZO VALLEY WATER DISTRICT Well Drawdown Report Pasatiempo 8

Pump Set STATIC DYNAMIC

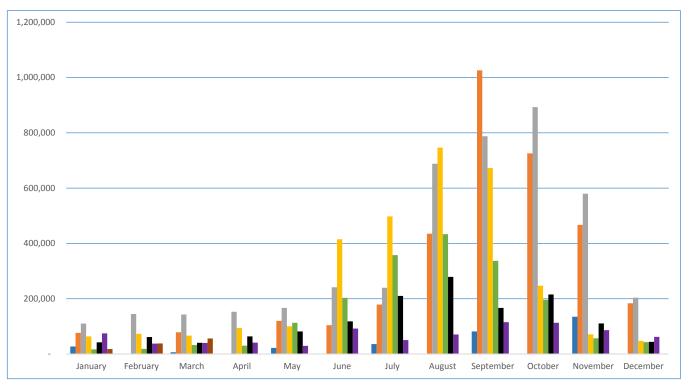
Location: Behind 3650 Graham Hill Rd.

Elevation: 775'

Installed: 11-20-2019 State Well #: 4410014-041 Completed Depth: 805'



#### SAN LORENZO VALLEY WATER DISTRICT BULK WATER SALES GALLONS March 2020



<u>Month</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
January	26,928	76,296	109,965	63,850	16,456	41,888	74,800	17,952
February			144,364	72,556	18,700	61,366	37,400	38,148
March	5,984	78,540	142,868	66,572	32,164	40,392	39,644	56,100
April			152,592	93,500	29,920	63,580	41,140	
May	21,692	119,680	166,804	100,232	112,948	81,532	29,172	
June		103,972	240,983	415,140	203,179	118,184	92,004	
July	35,904	178,772	239,360	497,420	357,544	210,188	50,116	
August		435,336	688,160	746,504	433,092	279,004	70,312	
September	81,352	1,026,256	787,644	672,183	336,570	166,804	115,192	
October		725,560	893,112	246,840	195,976	215,424	112,948	
November	134,640	466,752	579,700	71,060	56,848	110,704	86,020	
December		183,260	203,456	47,124	42,636	44,132	62,084	
Totals	306,500	3,394,424	4,349,008	3,092,981	1,836,033	1,433,198	810,832	112,200

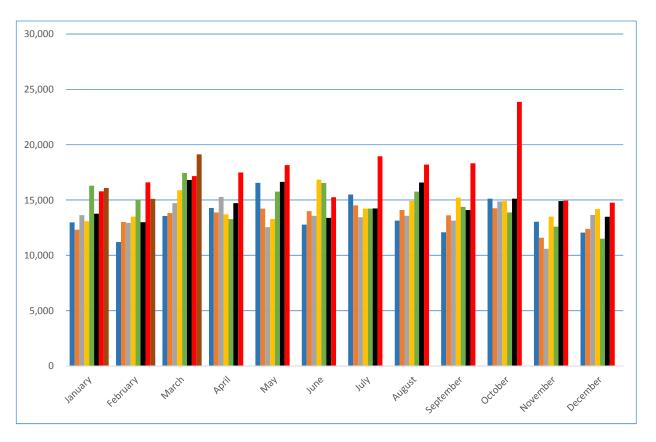
#### SAN LORENZO VALLEY WATER DISTRICT MONTHLY LEAK REPORT March 2020

Leak Type	Location - NORTH SYSTEM	Town	<b>Gallons Lost</b>
400 MAIN LEAKING	212 RIVERSIDE PARK DR	BEN LOMOND	1,080
400 MAIN LEAKING	750 PARK DR	BEN LOMOND	100
		Total North	1,180
	FELTON SYSTEM		
400 MAIN LEAKING	12489 COLEMAN AVE	FELTON	720
		Total Felton	720
	LOMPICO		
		Total Lampias	
		Total Lompico	-
	SCOTTS VALLEY		
		Total Scotts Valley	-
		Total All Systems	1,900

#### SLV Monthly Water Quality Service Order Summary

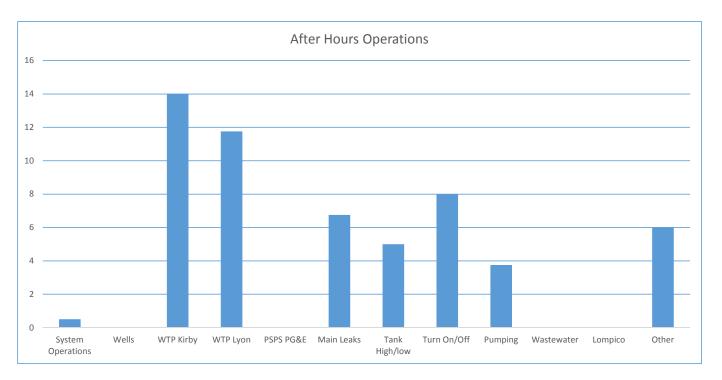
					Water Qu	ality Complain				
				Туре	Of Complair	nt				
Date Received	Taste/ Odor	Color	Turbidit y/Particl es	Worms/ Other Visible Organisms	Pressure (High/Low)	Illness (Waterborne)	Other (Specify)	Address	Conclusion	System
3/30/2020	X						Customer complained of strong chlorine taste for the past 2 days	258 Either Way	Upon investigation by SLVWD staff, water quality results were normal and within range. A sample was collected from the fire hydrant in front of the customers residence, which had a free chlorine residual of 1.1 mg/L. Customer was notified of results and will call back with any other water quality concerns.	SLVWD-North

#### SAN LORENZO VALLEY WATER DISTRICT VEHICLE MILEAGE March 2020



<u>Month</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
January	12,976	12,317	13,633	13,082	16,286	13,763	15,790	16,088
February	11,201	13,015	12,934	13,505	15,045	13,003	16,599	15,113
March	13,558	13,817	14,714	15,882	17,451	16,809	17,167	19,132
April	14,283	13,883	15,279	13,704	13,270	14,711	17,488	
May	16,560	14,228	12,550	13,290	15,757	16,646	18,156	
June	12,780	14,000	13,582	16,841	16,534	13,390	15,249	
July	15,497	14,519	13,441	14,228	14,229	14,242	18,955	
August	13,136	14,096	13,569	14,923	15,761	16,576	18,194	
September	12,087	13,622	13,137	15,229	14,388	14,094	18,321	
October	15,120	14,261	14,868	14,924	13,880	15,126	23,864	
November	13,046	11,594	10,591	13,510	12,598	14,908	14,942	
December	12,060	12,394	13,648	14,187	11,512	13,492	14,763	
Totals	162,304	161,746	161,946	173,305	176,711	176,760	209,488	50,333

#### SAN LORENZO VALLEY WATER DISTRICT OPERATIONS DEPARTMENT March 2020



<u>Description</u>	<u>Hours</u>		2015	2016	2017	2018	2019	2020
System Operations	0.5	January	N/A	145.00	280.75	90.50	96.50	109.00
Wells	0	February	N/A	86.50	192.25	72.00	180.00	89.50
WTP Kirby	14	March	N/A	153.75	105.75	80.25	106.25	55.75
WTP Lyon	11.75	April	82.50	72.00	128.75	156.75	76.25	
PSPS PG&E	0	May					82.50	
Main Leaks	6.75	June	172.50	83.25	112.75	89.00	136.75	
Tank High/low	5	July	124.25	80.25	162.00	145.25	158.30	
Turn On/Off	8	August	111.75	81.25	141.25	134.5	119.75	
Pumping	3.75	September	230.25	175.00	201.25	155.25	133.00	
Wastewater	0	October	128.25	78.50	104.00	111.5	605.75	
Lompico	0	November	114.25	96.25	122.50	197.5	182.00	
Other	6	December	186.25	130.75	134.00	220.25	195.50	
Total	55.75		1150.00	1182.50	1685.25	1452.75	2072.55	

#### SAN LORENZO VALLEY WATER DISTRICT OPERATIONS DEPARTMENT March 2020



Month	2015	2016	2017	2018	2019	2020
January	77	38	157	91	95	89
February	49	43	752	105	74	81
March	79	62	654	127	65	91
April	59	68	162	155	90	
May	79	62	130	120	92	
June	61	61	115	145	97	
July	90	45	109	150	153	
August	66	73	74	164	106	
September	84	93	157	120	120	
October	72	69	246	149	140	
November	71	55	151	104	104	
December	45	38	83	98	109	
Total to Date	832	707	2,790	1528	1245	261

