

## **Kathleen Field - 7117**

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**From:** Kathleen Field - 7117  
**Sent:** Tuesday, December 05, 2017 8:21 AM  
**To:** Ralph Wagner  
**Subject:** Public Records Act Request - Wagner LACSD November 2017 Monthly Water Reports  
**Attachments:** LACSD Nov 2017 Monthly Water Reports.pdf

Hi Ralph,

Per your request, the LACSD November 2017 Monthly Water Reports are ready for pick-up at the customer service window.

Best regards,

*Kathleen Field*

Executive Assistant  
Lake Arrowhead Community Services District  
909 336-7117

## Natalie Potter - 7112

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**From:** Matt Brooks - 7163  
**Sent:** Friday, November 03, 2017 1:49 PM  
**To:** Natalie Potter - 7112  
**Subject:** FW: October 2017 Monthly Reports  
**Attachments:** Woods + DLP Monthly Reports.xlsx

Hi Natalie,

This is for Mr. Ralph Wagner's monthly Public Records Request regarding the District Water Ops Monthly Reports. Have a great weekend!

Thanks,  
Matt

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**From:** Matt Brooks - 7163  
**Sent:** Friday, November 03, 2017 1:47 PM  
**To:** Catherine Cerri - 7102 <ccerri@lakearrowheadcsd.com>  
**Cc:** Mike Blackwood - 7134 <mblackwood@lakearrowheadcsd.com>; Aida Hercules-Dodaro - 7155 <ahercules@lakearrowheadcsd.com>; Marc Lippert - 7113 <mlippert@lakearrowheadcsd.com>; Kathleen Field - 7117 <kfield@lakearrowheadcsd.com>; Steve Papp - 7135 <spapp@lakearrowheadcsd.com>; Mica O'Connell - 7133 <moconnell@lakearrowheadcsd.com>; Mark Lopez - 7109 <mlopez@lakearrowheadcsd.com>; Kasey Brandenberger - 7120 <kbrandenberger@lakearrowheadcsd.com>; Tim McIntire - 7161 <tmcintire@lakearrowheadcsd.com>; Tony Carricaburu - 7139 <tonyc@lakearrowheadcsd.com>; Matt O'Kelly <mokelly@lakearrowheadcsd.com>; Jeff Lewis <jlewis@lakearrowheadcsd.com>  
**Subject:** October 2017 Monthly Reports

Hello everyone,

Attached are the October 2017 Monthly Reports.

- In October 2017 (116.76 AF), consumption was very similar to consumption in October 2016 (119.88 AF). Also, through the 1<sup>st</sup> 10 months of 2017 (1276.20 AF) consumption is very similar compared to the 1<sup>st</sup> 10 months of 2016 (1289.53 AF). These numbers are based off of column (12) on the Report, and only counts water delivered to the Distribution System.
- October 2017 Lake Draw = 45.53 AF vs October 2016 = 80.98 AF. Through the 1<sup>st</sup> 10 months of 2017 (966.07 AF) lake withdrawals are down compared to the 1<sup>st</sup> 10 months of 2016 (1155.91 AF). This can be attributed to the increased CLAWA purchase and increased well production vs 2016, please see below.
- October 2017 Wells to System = 14.87 AF vs October 2016 = 6.78 AF. Through the 1<sup>st</sup> 10 months of 2017 "Wells To System" (137.83 AF) is up when compared to the 1<sup>st</sup> 10 months of 2016 (87.13). In 2016 the District had the groundwater system off for the 1<sup>st</sup> Q for maintenance and in anticipation for the El Nino that never came.
- October 2017 total CLAWA purchase = 58.42 AF vs October 2016 = 36.30 AF. Through the 1<sup>st</sup> 10 months of 2017 CLAWA purchase (205.04 AF) is up compared to the 1<sup>st</sup> 10 months of 2016 (71.00 AF). This can be attributed to the Bernina Tank re-coating project and the Bernina WTP being off-line for approximately 1.5 months in the beginning of the 2017. Bernina is once again off-line as of September 6<sup>th</sup> due to the North Bay Pump Station Replacement Project, and CLAWA is currently being purchased at a rate of 250 GPM at the CLAWA 2 connection.

Please contact me if you have any questions or comments regarding these reports.

Thank you,  
Matt

*Matt Brooks*

Operations Manager

**Lake Arrowhead Community Services District**

P.O. Box 700 Lake Arrowhead CA 92352

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Cell: 909.225.8004

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**ARROWHEAD WOODS MONTHLY DATA  
ACRE FEET**

| 2017<br>MONTH       | (1)                    | (2)                | (3)              | (4)                 | (5)               | (6)                           | (7)                | (8)                           | (9)                                   | (10)                        | (11)             | (12)                                | (13)             | (14)                     | (15)                            | (16)                       |
|---------------------|------------------------|--------------------|------------------|---------------------|-------------------|-------------------------------|--------------------|-------------------------------|---------------------------------------|-----------------------------|------------------|-------------------------------------|------------------|--------------------------|---------------------------------|----------------------------|
|                     | TRANSFER TO<br>GV LAKE | WELLS TO<br>SYSTEM | BERNINA<br>PLANT | CEDAR GLEN<br>PLANT | COMBINED<br>PLANT | COMBINED<br>PLANT<br>BACKWASH | BERNINA<br>RECYCLE | ROTW CLAWA<br>PURCHASE<br>(a) | BRENTWOOD<br>CLAWA<br>PURCHASE<br>(a) | COMBINED<br>PURCHASE<br>(a) | LAKE DRAW<br>(b) | DELIVERED TO<br>DISTRIBUTION<br>(c) | METERED<br>WATER | STORAGE<br>VOLUME<br>(e) | STORAGE<br>VOLUME<br>CHANGE +/- | UN-METERED<br>WATER<br>(d) |
| JANUARY             | 0.00                   | 8.58               | 0.00             | 8.76                | 8.76              | 0.48                          | 0.00               | 60.76                         | 0.00                                  | 60.76                       | 8.76             | 77.62                               | 52.64            | 20.36                    | 2.84                            | 22.14                      |
| FEBRUARY            | 0.00                   | 11.07              | 21.85            | 13.02               | 34.87             | 3.81                          | 0.73               | 27.64                         | 0.00                                  | 27.64                       | 34.87            | 70.50                               | 48.04            | 23.20                    | 4.24                            | 18.22                      |
| MARCH               | 0.00                   | 12.96              | 63.44            | 0.00                | 63.44             | 5.07                          | 2.90               | 0.00                          | 0.00                                  | 0.00                        | 63.44            | 74.23                               | 51.23            | 27.44                    | 0.46                            | 22.54                      |
| <b>1ST QUARTER</b>  | <b>0.00</b>            | <b>32.61</b>       | <b>85.29</b>     | <b>21.78</b>        | <b>107.07</b>     | <b>9.36</b>                   | <b>3.63</b>        | <b>88.40</b>                  | <b>0.00</b>                           | <b>88.40</b>                | <b>107.07</b>    | <b>222.35</b>                       | <b>151.91</b>    | <b>71.00</b>             | <b>7.54</b>                     | <b>62.90</b>               |
| APRIL               | 0.00                   | 12.78              | 67.70            | 0.00                | 67.70             | 5.00                          | 4.02               | 0.00                          | 0.00                                  | 0.00                        | 67.70            | 79.50                               | 56.31            | 27.90                    | -1.07                           | 24.26                      |
| MAY                 | 0.00                   | 18.55              | 115.13           | 0.00                | 115.13            | 7.71                          | 5.59               | 0.00                          | 1.06                                  | 1.06                        | 115.13           | 132.62                              | 103.13           | 26.83                    | 1.04                            | 28.45                      |
| JUNE                | 0.00                   | 16.04              | 163.95           | 0.00                | 163.95            | 9.89                          | 7.20               | 0.00                          | 2.46                                  | 2.46                        | 163.95           | 179.76                              | 143.71           | 27.87                    | 0.51                            | 35.54                      |
| <b>2ND QUARTER</b>  | <b>0.00</b>            | <b>47.37</b>       | <b>346.78</b>    | <b>0.00</b>         | <b>346.78</b>     | <b>22.60</b>                  | <b>16.81</b>       | <b>0.00</b>                   | <b>3.52</b>                           | <b>3.52</b>                 | <b>346.78</b>    | <b>391.88</b>                       | <b>303.15</b>    | <b>82.60</b>             | <b>0.48</b>                     | <b>88.25</b>               |
| <b>SEMI-ANNUAL</b>  | <b>0.00</b>            | <b>79.98</b>       | <b>432.07</b>    | <b>21.78</b>        | <b>453.85</b>     | <b>31.96</b>                  | <b>20.44</b>       | <b>88.40</b>                  | <b>3.52</b>                           | <b>91.92</b>                | <b>453.85</b>    | <b>614.23</b>                       | <b>455.06</b>    | <b>153.60</b>            | <b>8.02</b>                     | <b>151.15</b>              |
| JULY                | 0.00                   | 15.74              | 162.62           | 36.11               | 198.73            | 13.31                         | 5.63               | 0.00                          | 0.00                                  | 0.00                        | 198.73           | 206.79                              | 174.02           | 28.38                    | -0.05                           | 32.82                      |
| AUGUST              | 0.00                   | 13.67              | 119.47           | 66.13               | 185.60            | 11.63                         | 6.05               | 0.00                          | 0.00                                  | 0.00                        | 185.60           | 193.69                              | 166.28           | 28.33                    | 0.48                            | 26.93                      |
| SEPTEMBER           | 0.00                   | 13.57              | 20.99            | 61.37               | 82.36             | 7.22                          | 1.32               | 13.14                         | 41.56                                 | 54.70                       | 82.36            | 144.73                              | 123.03           | 28.81                    | -3.00                           | 24.70                      |
| <b>3RD QUARTER</b>  | <b>0.00</b>            | <b>42.98</b>       | <b>303.08</b>    | <b>163.61</b>       | <b>466.69</b>     | <b>32.16</b>                  | <b>13.00</b>       | <b>13.14</b>                  | <b>41.56</b>                          | <b>54.70</b>                | <b>466.69</b>    | <b>545.21</b>                       | <b>463.33</b>    | <b>85.52</b>             | <b>-2.57</b>                    | <b>84.45</b>               |
| OCTOBER             | 0.00                   | 14.87              | 0.00             | 45.53               | 45.53             | 2.06                          | 0.00               | 58.42                         | 0.00                                  | 58.42                       | 45.53            | 116.76                              | 101.27           | 25.81                    | -1.34                           | 16.83                      |
| NOVEMBER            | 0.00                   |                    |                  |                     | 0.00              |                               |                    |                               |                                       | 0.00                        | 0.00             | 0.00                                |                  | 24.47                    | -24.47                          | 24.47                      |
| DECEMBER            | 0.00                   |                    |                  |                     | 0.00              |                               |                    |                               |                                       | 0.00                        | 0.00             | 0.00                                |                  |                          |                                 | 0.00                       |
| <b>4TH QUARTER</b>  | <b>0.00</b>            | <b>14.87</b>       | <b>0.00</b>      | <b>45.53</b>        | <b>45.53</b>      | <b>2.06</b>                   | <b>0.00</b>        | <b>58.42</b>                  | <b>0.00</b>                           | <b>58.42</b>                | <b>45.53</b>     | <b>116.76</b>                       | <b>101.27</b>    | <b>50.28</b>             | <b>-25.81</b>                   | <b>41.30</b>               |
| <b>ANNUAL TOTAL</b> | <b>0.00</b>            | <b>137.83</b>      | <b>735.15</b>    | <b>230.92</b>       | <b>966.07</b>     | <b>66.18</b>                  | <b>33.44</b>       | <b>159.96</b>                 | <b>45.08</b>                          | <b>205.04</b>               | <b>966.07</b>    | <b>1276.20</b>                      | <b>1019.66</b>   | <b>289.40</b>            | <b>-20.36</b>                   | <b>276.90</b>              |

(a) CLAWA consumption numbers are based upon monthly billing statements provided by CLAWA. CLAWA reads these meters on or near the 24th of each month, so the numbers may not be an actual representation of water consumed for said calendar month.

(b) Lake Draw = (1) + (5)

(c) Delivered to Distribution = (2) + (5) - (6) + (7) + (10)

(d) Un-Metered Water = ((12) - (13)) - (15)

(e) Storage Volume calculated 8:00 am the 1st of every month.

**DEER LODGE PARK/RIMFOREST MONTHLY DATA  
ACRE FEET**

| 2017<br>MONTH       | (1)<br>DLP WELLS | (2)<br>DLP CLAWA | (3)<br>DLP TOTAL<br><b>(a)</b> | (4)<br>METERED<br>WATER | (5)<br>UN-METERED<br>WATER<br><b>(b)</b> | (6)<br>RIMFOREST<br>CLAWA | (7)<br>METERED<br>WATER | (8)<br>UN-METERED<br>WATER<br><b>(b)</b> |
|---------------------|------------------|------------------|--------------------------------|-------------------------|--|---------------------------|-------------------------|--|
| JANUARY             | 0.00             | 1.79             | 1.79                           | 1.57                    | 0.22                                     | 3.72                      | 2.51                    | 1.21                                     |
| FEBRUARY            | 0.00             | 1.69             | 1.69                           | 1.54                    | 0.15                                     | 2.61                      | 2.37                    | 0.24                                     |
| MARCH               | 0.00             | 1.90             | 1.90                           | 1.91                    | -0.01                                    | 3.11                      | 2.83                    | 0.28                                     |
| <b>1ST QUARTER</b>  | <b>0.00</b>      | <b>5.38</b>      | <b>5.38</b>                    | <b>5.02</b>             | <b>0.36</b>                              | <b>9.44</b>               | <b>7.71</b>             | <b>1.73</b>                              |
| APRIL               | 0.00             | 2.30             | 2.30                           | 2.22                    | 0.08                                     | 3.62                      | 2.97                    | 0.65                                     |
| MAY                 | 0.00             | 2.76             | 2.76                           | 2.75                    | 0.01                                     | 3.76                      | 3.11                    | 0.65                                     |
| JUNE                | 0.00             | 3.97             | 3.97                           | 3.63                    | 0.34                                     | 4.31                      | 3.27                    | 1.04                                     |
| <b>2ND QUARTER</b>  | <b>0.00</b>      | <b>9.03</b>      | <b>9.03</b>                    | <b>8.60</b>             | <b>0.43</b>                              | <b>11.69</b>              | <b>9.35</b>             | <b>2.34</b>                              |
| <b>SEMI-ANNUAL</b>  | <b>0.00</b>      | <b>14.41</b>     | <b>14.41</b>                   | <b>13.62</b>            | <b>0.79</b>                              | <b>21.13</b>              | <b>17.06</b>            | <b>4.07</b>                              |
| JULY                | 0.00             | 4.49             | 4.49                           | 4.26                    | 0.23                                     | 3.60                      | 3.49                    | 0.11                                     |
| AUGUST              | 0.16             | 3.85             | 4.01                           | 3.89                    | 0.12                                     | 3.48                      | 3.44                    | 0.04                                     |
| SEPTEMBER           | 0.79             | 2.89             | 3.68                           | 3.04                    | 0.64                                     | 3.76                      | 2.99                    | 0.77                                     |
| <b>3RD QUARTER</b>  | <b>0.95</b>      | <b>11.23</b>     | <b>12.18</b>                   | <b>11.19</b>            | <b>0.99</b>                              | <b>10.84</b>              | <b>9.92</b>             | <b>0.92</b>                              |
| OCTOBER             | 1.26             | 1.97             | 3.23                           | 2.79                    | 0.44                                     | 3.52                      | 3.02                    | 0.50                                     |
| NOVEMBER            |                  |                  | 0.00                           |                         | 0.00                                     |                           |                         | 0.00                                     |
| DECEMBER            |                  |                  | 0.00                           |                         | 0.00                                     |                           |                         | 0.00                                     |
| <b>4TH QUARTER</b>  | <b>1.26</b>      | <b>1.97</b>      | <b>3.23</b>                    | <b>2.79</b>             | <b>0.44</b>                              | <b>3.52</b>               | <b>3.02</b>             | <b>0.50</b>                              |
| <b>ANNUAL TOTAL</b> | <b>2.21</b>      | <b>27.61</b>     | <b>29.82</b>                   | <b>27.60</b>            | <b>2.22</b>                              | <b>35.49</b>              | <b>30.00</b>            | <b>5.49</b>                              |

(a) DLP Total = (1) + (2)

(b) Un-Metered Water = (3) - (4) DLP, (6) - (7) RF

(c) Un-Metered % = (5)/(3) X 100

\*\* Structure fire in Rim Forest which accounts for some of the Un-metered water

## Natalie Potter - 7112

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**From:** Matt Brooks - 7163  
**Sent:** Friday, November 03, 2017 2:08 PM  
**To:** Natalie Potter - 7112  
**Subject:** FW: October 2017 GV Wells and Recycled Water Monthly Report  
**Attachments:** GV Wells MonthlyV2 .xlsx

Hi Natalie,

This is email/report #2/2 for Mr. Ralph Wagner's monthly Public Records Request regarding the District Water Ops Monthly Reports.

Again, have a great weekend! 😊

Thanks,  
Matt

**From:** Matt Brooks - 7163  
**Sent:** Friday, November 03, 2017 2:07 PM  
**To:** Catherine Cerri - 7102 <ccerri@lakearrowheadcsd.com>  
**Cc:** Mike Blackwood - 7134 <mblackwood@lakearrowheadcsd.com>; Marc Lippert - 7113 <mlippert@lakearrowheadcsd.com>; Kathleen Field - 7117 <kfield@lakearrowheadcsd.com>; Mica O'Connell - 7133 <moconnell@lakearrowheadcsd.com>; Mark Lopez - 7109 <mlopez@lakearrowheadcsd.com>; Justin Luck - 7154 <jluck@lakearrowheadcsd.com>; Kasey Brandenberger - 7120 <kbrandenberger@lakearrowheadcsd.com>; 'Ronald Bukovac' <RBukovac@ala-ca.org>; 'Monty Wright' <MWright@ala-ca.org>; 'cmassey@lakearrowheadcc.com' <cmassey@lakearrowheadcc.com>; Jeff Lewis <jlewis@lakearrowheadcsd.com>  
**Subject:** October 2017 GV Wells and Recycled Water Monthly Report

Hello everyone,

Attached is the October 2017 Monthly GV Wells Production and Recycled Water delivery report.

- October 2017 Wells to System = 14.87 AF vs October 2016 = 6.78 AF. Through the 1<sup>st</sup> 10 months of 2017 "Wells To System" (137.83 AF) is up when compared to the 1<sup>st</sup> 10 months of 2016 (87.13). In 2016 the District had the groundwater system off for the 1<sup>st</sup> Q for maintenance and in anticipation for the El Nino that never came.
- October 2017 ALA Well #8 production = 616,100 gallons = 1.89 AF = 823.66 CCF.
- October 2017 Recycled Water Delivered = 16.58 AF vs October 2016 = 12.73 AF. Through the 1<sup>st</sup> 10 months of 2017 Recycled Water Delivered = 211.52 AF vs the 1<sup>st</sup> 10 months of 2016 = 229.44 AF.

Please contact me if you have any questions or comments regarding this report.

Thank you,  
Matt

*Matt Brooks*

Operations Manager  
**Lake Arrowhead Community Services District**  
P.O. Box 700 Lake Arrowhead CA 92352  
Office: 909.336.7163

Cell: 909.225.8004  
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**GRASS VALLEY WELLS MONTHLY DATA  
ACRE FEET**

| 2017<br>MONTH       | (1)<br>Well #1 * | (2)<br>Well #2 * | (3)<br>Well #5 * | (4)<br>Well #6 * | (5)<br>ALA<br>Well #8 ** | (6)<br>Delivered to<br>Distribution *** | (7)<br>Recycled Water<br>Delivered **** |
|---------------------|------------------|------------------|------------------|------------------|--------------------------|---|---|
| JANUARY             | 2.01             | 0.26             | 2.90             | 1.81             | 1.78                     | 8.58                                    | 0.00                                    |
| FEBRUARY            | 2.46             | 0.00             | 4.28             | 2.35             | 2.16                     | 11.07                                   | 0.00                                    |
| MARCH               | 2.94             | 0.00             | 5.00             | 2.84             | 2.36                     | 12.96                                   | 0.00                                    |
| <b>1ST QUARTER</b>  | <b>7.41</b>      | <b>0.26</b>      | <b>12.18</b>     | <b>7.00</b>      | <b>6.30</b>              | <b>32.61</b>                            | <b>0.00</b>                             |
| APRIL               | 6.15             | 0.57             | 5.96             | 1.44             | 1.94                     | 12.78                                   | 7.67                                    |
| MAY                 | 2.80             | 5.83             | 5.27             | 2.93             | 1.96                     | 18.55                                   | 29.31                                   |
| JUNE                | 2.78             | 4.22             | 4.99             | 2.30             | 1.98                     | 16.04                                   | 49.18                                   |
| <b>2ND QUARTER</b>  | <b>11.73</b>     | <b>10.62</b>     | <b>16.22</b>     | <b>6.67</b>      | <b>5.88</b>              | <b>47.37</b>                            | <b>86.16</b>                            |
| <b>SEMI-ANNUAL</b>  | <b>19.14</b>     | <b>10.88</b>     | <b>28.40</b>     | <b>13.67</b>     | <b>12.18</b>             | <b>79.98</b>                            | <b>86.16</b>                            |
| JULY                | 2.93             | 3.71             | 5.02             | 2.33             | 1.94                     | 15.74                                   | 51.12                                   |
| AUGUST              | 2.18             | 3.34             | 4.41             | 2.05             | 1.87                     | 13.67                                   | 37.65                                   |
| SEPTEMBER           | 2.62             | 3.01             | 4.33             | 2.03             | 1.73                     | 13.57                                   | 20.01                                   |
| <b>3RD QUARTER</b>  | <b>7.73</b>      | <b>10.06</b>     | <b>13.76</b>     | <b>6.41</b>      | <b>5.54</b>              | <b>42.98</b>                            | <b>108.78</b>                           |
| OCTOBER             | 2.68             | 3.01             | 5.07             | 2.42             | 1.89                     | 14.87                                   | 16.58                                   |
| NOVEMBER            |                  |                  |                  |                  |                          |   |   |
| DECEMBER            |                  |                  |                  |                  |                          |   |   |
| <b>4TH QUARTER</b>  | <b>2.68</b>      | <b>3.01</b>      | <b>5.07</b>      | <b>2.42</b>      | <b>1.89</b>              | <b>14.87</b>                            | <b>16.58</b>                            |
| <b>ANNUAL TOTAL</b> | <b>29.55</b>     | <b>23.95</b>     | <b>47.23</b>     | <b>22.50</b>     | <b>19.61</b>             | <b>137.83</b>                           | <b>211.52</b>                           |

\* Wells #1, #2, #5, #6 LACC Agreement

\*\* Well #8 ALA Agreement

\*\*\* Delivered to Distribution from IX Plant effluent meters

\*\*\*\* Reported by GVVWTP Staff