

**Kathleen Field - 7117**

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**From:** Kathleen Field - 7117  
**Sent:** Tuesday, September 12, 2017 8:48 AM  
**To:** Ralph Wagner  
**Subject:** Public Records Act Request - Wagner LACSD August 2017 Monthly Water Reports  
**Attachments:** LACSD August 2017 Monthly Water Reports.pdf

Hi Ralph,

Per your request, the LACSD August 2017 Monthly Water Reports are ready for pickup at the customer service window.

Best regards,

*Kathleen Field*

Executive Assistant  
Lake Arrowhead Community Services District  
909 336-7117

## Kathleen Field - 7117

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**From:** Matt Brooks - 7163  
**Sent:** Wednesday, September 06, 2017 10:01 AM  
**To:** Catherine Cerri - 7102  
**Cc:** Mike Blackwood - 7134; Aida Hercules-Dodaro - 7155; Marc Lippert - 7113; Kathleen Field - 7117; Steve Papp - 7135; Mica O'Connell - 7133; Mark Lopez - 7109; Kasey Brandenberger - 7120; Justin Luck - 7154; Tim McIntire - 7161; Tony Carricaburu - 7139  
**Subject:** August 2017 Monthly Reports  
**Attachments:** Woods + DLP Monthly Reports.xlsx

Hello everyone,

Attached are the August 2017 Monthly Reports.

- In August 2017 (193.69 AF), consumption was down 8.7% when compared to August 2016 (212.13 AF). Through the 1<sup>st</sup> 8 months of 2017 consumption is up 3% (1014.71 AF) compared to the 1<sup>st</sup> 8 months of 2016 (984.69 AF). These numbers are based off of column (12) on the Report, and only counts water delivered to the Distribution System.
- August 2017 Lake Draw = 185.60 AF vs August 2016 = 200.86 AF. Through the 1<sup>st</sup> 8 months of 2017 lake withdrawals are down (838.18 AF) compared to the 1<sup>st</sup> 8 months of 2016 (900.69 AF). This can be attributed to the increased CLAWA purchase and increased well production vs 2016, please see below.
- August 2017 Wells to System = 13.67 AF vs August 2016 = 14.98 AF. Through the 1<sup>st</sup> 8 months of 2017 "Wells To System" = 109.39 AF compared to the 1<sup>st</sup> 8 months of 2016 (66.85 AF). 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.
- August 2017 total CLAWA purchase = 0 AF vs August 2016 = 0 AF. Through the 1<sup>st</sup> 8 months of 2017 CLAWA purchase = 91.92 AF compared to the 1<sup>st</sup> 8 months of 2016 (34.70 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.

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**  
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**ARROWHEAD WOODS MONTHLY DATA  
ACRE FEET**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2017 MONTH	TRANSFER TO GV LAKE	WELLS TO SYSTEM	BERNINA PLANT	CEDAR GLEN PLANT	COMBINED PLANT	COMBINED PLANT BACKWASH	BERNINA RECYCLE	ROTW CLAWA PURCHASE (a)	BRENTWOOD CLAWA PURCHASE (a)	COMBINED PURCHASE (a)	LAKE DRAW (b)	DELIVERED TO DISTRIBUTION (c)	METERED WATER	STORAGE VOLUME (e)	STORAGE CHANGE +/-	UN-METERED WATER (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	-2.30	29.71
SEPTEMBER	0.00				0.00					0.00	0.00	0.00		26.03	-26.03	26.03
<b>3RD QUARTER</b>	<b>0.00</b>	<b>29.41</b>	<b>282.09</b>	<b>102.24</b>	<b>384.33</b>	<b>24.94</b>	<b>11.68</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>384.33</b>	<b>400.48</b>	<b>340.30</b>	<b>82.74</b>	<b>-28.38</b>	<b>88.56</b>
OCTOBER	0.00				0.00					0.00	0.00	0.00			0.00	0.00
NOVEMBER	0.00				0.00					0.00	0.00	0.00			0.00	0.00
DECEMBER	0.00				0.00					0.00	0.00	0.00				0.00
<b>4TH QUARTER</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>ANNUAL TOTAL</b>	<b>0.00</b>	<b>109.39</b>	<b>714.16</b>	<b>124.02</b>	<b>838.18</b>	<b>56.90</b>	<b>32.12</b>	<b>88.40</b>	<b>3.52</b>	<b>91.92</b>	<b>838.18</b>	<b>1014.71</b>	<b>795.36</b>	<b>236.34</b>	<b>-20.36</b>	<b>239.71</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**

	(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)
2017 MONTH	DLP WELLS	DLP CLAWA	DLP TOTAL (a)	METERED WATER	UN-METERED WATER (b)		RIMFOREST CLAWA	METERED WATER	UN-METERED WATER (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
1ST QUARTER	0.00	5.38	5.38	5.02	0.36		9.44	7.71	1.73
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
2ND QUARTER	0.00	9.03	9.03	8.60	0.43		11.69	9.35	2.34
SEMI-ANNUAL	0.00	14.41	14.41	13.62	0.79		21.13	17.06	4.07
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			0.00		0.00				0.00
3RD QUARTER	0.16	8.34	8.50	8.15	0.35		7.08	6.93	0.15
OCTOBER			0.00		0.00				0.00
NOVEMBER			0.00		0.00				0.00
DECEMBER			0.00		0.00				0.00
4TH QUARTER	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
ANNUAL TOTAL	0.16	22.75	22.91	21.77	1.14		28.21	23.99	4.22

(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

## Kathleen Field - 7117

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**From:** Matt Brooks - 7163  
**Sent:** Wednesday, September 06, 2017 10:05 AM  
**To:** Catherine Cerri - 7102  
**Cc:** Mike Blackwood - 7134; Marc Lippert - 7113; Kathleen Field - 7117; Mica O'Connell - 7133; Mark Lopez - 7109; Justin Luck - 7154; Kasey Brandenberger - 7120; 'Jim Grant';  
**Subject:** August 2017 GV Wells and Recycled Water Monthly Report  
**Attachments:** GV Wells Monthly .xlsx

Hello everyone,

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

- August 2017 Wells to System = 13.67 AF vs August 2016 = 14.98 AF. Through the 1<sup>st</sup> 8 months of 2017 "Wells To System" = 109.39 AF vs the 1<sup>st</sup> 8 months of 2016 = 66.85 AF. 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.
- August 2017 ALA Well #8 production = 609,341 gallons = 1.87 AF = 814.62 CCF.
- August 2017 Recycled Water Delivered = 37.65 AF vs August 2016 = 47.77 AF. Through the 1<sup>st</sup> 8 months of 2017 Recycled Water Delivered = 174.93 AF vs the 1<sup>st</sup> 8 months of 2016 = 178.93 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  
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**GRASS VALLEY WELLS MONTHLY DATA  
ACRE FEET**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>2017</b>							
<b>MONTH</b>	<b>Well #1 *</b>	<b>Well #2 *</b>	<b>Well #5 *</b>	<b>Well #6 *</b>	<b>ALA Well #8 **</b>	<b>Delivered to Distribution ***</b>	<b>Recycled Water Delivered ****</b>
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							
<b>3RD QUARTER</b>	<b>5.11</b>	<b>7.05</b>	<b>9.43</b>	<b>4.38</b>	<b>3.81</b>	<b>29.41</b>	<b>88.77</b>
OCTOBER							
NOVEMBER							
DECEMBER							
<b>4TH QUARTER</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>ANNUAL TOTAL</b>	<b>24.25</b>	<b>17.93</b>	<b>37.83</b>	<b>18.05</b>	<b>15.99</b>	<b>109.39</b>	<b>174.93</b>

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

\*\* Well #8 ALA Agreement

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

\*\*\*\* Reported by GWWTP Staff