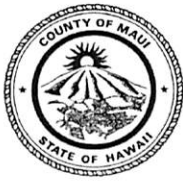


ALAN M. ARAKAWA  
Mayor



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DAVID TAYLOR, P.E.  
Director  
GLADYS C. BAISA  
Deputy Director

DEPARTMENT OF WATER SUPPLY  
COUNTY OF MAUI  
200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2155  
www.mauiwater.org

November 3, 2017

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2017 NOV -8 AM 9: 44  
OFFICE OF THE  
COUNTY CLERK

Honorable Alan Arakawa  
Mayor, County of Maui  
200 South High Street  
Wailuku, Hawaii 96793

For Transmittal to:

Honorable Mike White, Chair  
and Members of the Maui County Council  
200 South High Street  
Wailuku, Hawaii 96793

APPROVED FOR TRANSMITTAL  
  
Mayor  
11/7/17  
Date

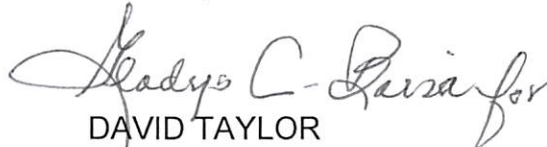
Dear Chair White and Members:

**SUBJECT: MONTHLY SOURCE AND GROUNDWATER USE REPORTS**

Attached please find copies of the Department of Water Supply's Monthly Source Report and Groundwater Use Report for the month ending October 2017.

Thank you for your attention to this matter. Should you have any questions or require additional information, please feel free to contact me at Ext. 7816.

Sincerely,

  
DAVID TAYLOR  
Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 17-452

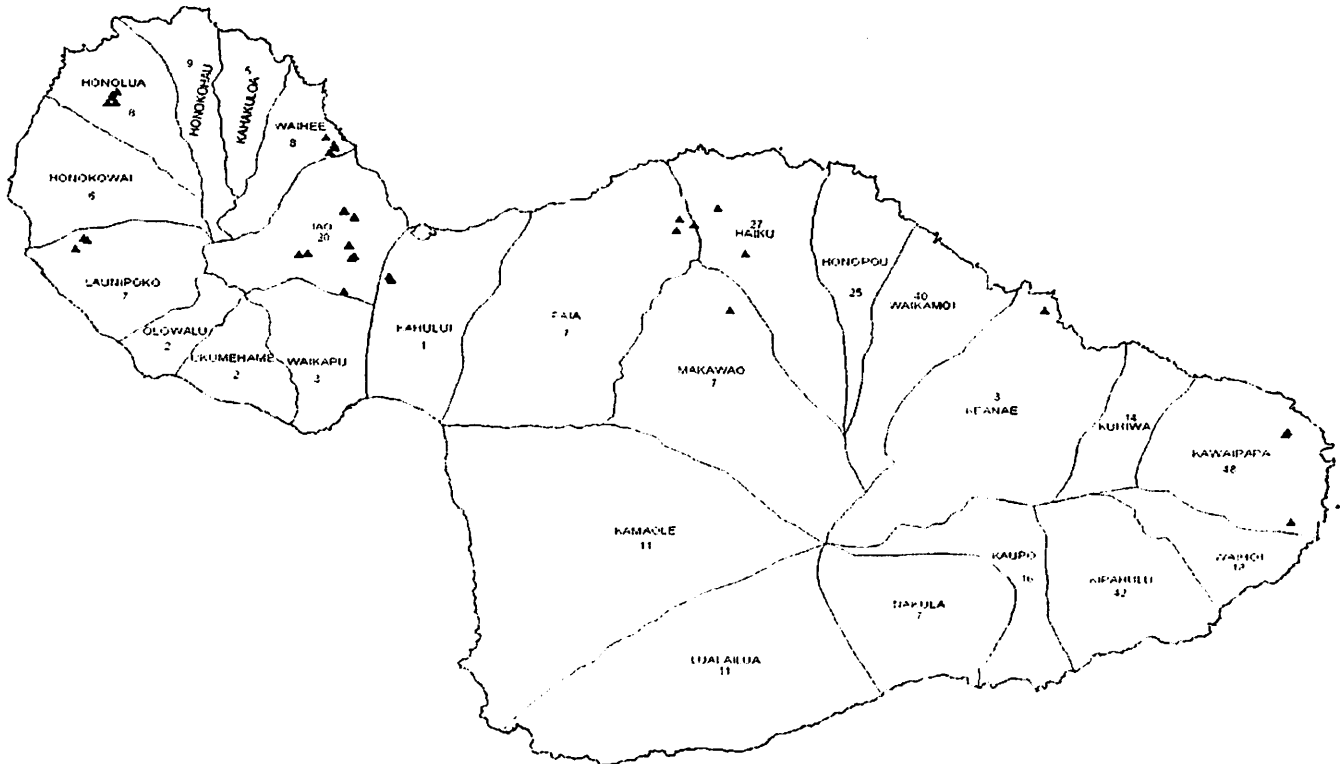
County of Maui  
Dept. of Water Supply  
Monthly Source Reports  
(Gals X 1000)

WELL NAME	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Current Year	Last 12 Months
<i>Central</i>														
Mokuhanu 501	25,356	18,783	29,858	21,351	38,938	46,566	59,671	67,872	64,352	58,931	60,721	55,159	503,419	547,559
Mokuhanu 503	106,117	99,351	102,451	91,707	75,445	78,049	71,400	79,363	85,991	86,953	83,794	78,217	833,369	1,038,837
Waihee 577	107,713	89,566	94,371	75,460	80,080	91,171	79,145	86,279	108,618	114,302	101,248	99,957	930,630	1,127,910
Waihee 578	69,296	32,152	58,482	67,773	66,566	80,320	63,707	29,336	0	0	618	0	366,801	468,248
Waihee 579	0	0	0	0	0	0	4,148	55,256	92,866	82,440	81,626	71,821	388,156	388,156
Waihehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waihehu Hts 515	30,453	27,128	29,438	26,520	30,396	32,810	34,359	35,851	37,953	37,265	37,303	35,310	337,204	394,784
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	60,431	62,496	59,248	25,402	51,873	59,816	39,801	18,721	10,303	25,739	36,529	10,676	338,107	461,034
Waikapu	35,315	28,511	32,400	26,210	28,222	32,720	34,410	31,220	37,050	36,359	36,479	35,136	330,204	394,029
Wailuku 1	61,424	38,755	35,904	44,224	10,714	19,114	30,183	50,163	22,469	14,034	4,941	30,188	261,934	362,113
Wailuku 2	0	0	0	0	362	140	9,233	16,781	64,423	64,469	64,514	64,514	284,481	284,481
<b>DAILY AVERAGE</b>	<b>16,537</b>	<b>12,798</b>	<b>14,263</b>	<b>13,523</b>	<b>12,342</b>	<b>14,690</b>	<b>13,744</b>	<b>15,695</b>	<b>16,904</b>	<b>16,790</b>	<b>16,926</b>	<b>15,517</b>	<b>15,047</b>	<b>14,978</b>
Kepaniwai 511	21,526	22,320	22,303	20,133	22,318	21,580	22,116	21,600	22,143	22,316	21,600	22,076	218,183	262,029
Iao Tunnel	0	0	0	24,978	37,774	36,397	33,394	32,880	34,346	33,669	33,535	34,667	301,639	301,639
<b>DAILY AVERAGE</b>	<b>718</b>	<b>720</b>	<b>719</b>	<b>1,611</b>	<b>1,938</b>	<b>1,933</b>	<b>1,791</b>	<b>1,816</b>	<b>1,822</b>	<b>1,806</b>	<b>1,838</b>	<b>1,830</b>	<b>1,710</b>	<b>1,544</b>
N. Waihee #1	41,822	32,568	37,501	36,219	42,349	41,198	40,523	27,411	26,771	25,334	18,308	19,177	314,792	389,181
N. Waihee #2	45,114	34,254	24,646	21,029	18,002	13,768	22,483	19,438	19,961	18,452	22,580	23,068	203,424	282,792
Kanoa #1	26,043	21,391	7,315	31,135	34,954	43,353	32,431	24,200	19,900	46,680	46,503	46,691	333,162	380,595
Kanoa #2	0	12,969	59,029	53,187	59,355	57,569	58,628	37,084	47,004	37,095	43,741	37,576	490,279	503,249
Kupaa	48,369	48,692	43,986	29,254	33,068	33,321	34,751	46,405	48,280	44,899	41,817	41,385	397,177	492,238
<b>DAILY AVERAGE</b>	<b>5,312</b>	<b>4,835</b>	<b>5,564</b>	<b>6,101</b>	<b>6,056</b>	<b>6,307</b>	<b>6,091</b>	<b>6,152</b>	<b>5,223</b>	<b>5,563</b>	<b>5,765</b>	<b>5,416</b>	<b>5,720</b>	<b>5,611</b>
Maui Lani #5	5,779	5,891	5,671	5,201	5,680	5,755	5,829	5,761	5,974	6,155	5,846	5,771	57,641	69,311
Maui Lani #6	11,283	11,549	11,599	10,391	11,526	11,009	11,303	11,009	11,336	11,327	11,001	10,957	111,457	134,290
Maui Lani #7	16,185	16,737	16,761	13,716	16,236	16,232	16,747	16,237	16,746	16,765	16,297	16,117	161,853	194,775
<b>DAILY AVERAGE</b>	<b>1,108</b>	<b>1,102</b>	<b>1,098</b>	<b>1,047</b>	<b>1,079</b>	<b>1,100</b>	<b>1,093</b>	<b>1,100</b>	<b>1,099</b>	<b>1,105</b>	<b>1,105</b>	<b>1,060</b>	<b>1,089</b>	<b>1,091</b>
<i>UpCountry</i>														
Haiku	5,979	5,876	6,576	6,125	7,332	7,040	7,498	8,301	8,494	7,909	8,314	7,428	75,017	86,872
H' Poko #1	0	0	15	0	666	2,382	0	83	589	0	0	1,320	5,056	5,056
H' Poko #2	0	0	8	0	772	2,408	1	83	576	0	0	1,161	5,007	5,007
Kaupakalua	14,831	15,470	16,189	13,871	15,946	15,239	16,357	15,931	16,609	16,037	22,641	15,914	164,735	195,036
Pookela	270	999	601	23,100	39,752	22,597	762	127	5,090	310	6,260	262	98,860	100,129
<b>DAILY AVERAGE</b>	<b>703</b>	<b>721</b>	<b>754</b>	<b>1,539</b>	<b>2,080</b>	<b>1,656</b>	<b>794</b>	<b>818</b>	<b>1,012</b>	<b>782</b>	<b>1,241</b>	<b>841</b>	<b>1,147</b>	<b>1,074</b>
<i>Lahaina</i>														
Kanaha 575	220	209	305	105	109	30	509	1,189	2,120	3,722	6,049	4,900	19,047	19,476
Kanaha 576	252	195	328	72	126	81	748	1,710	1,507	3,088	4,251	2,727	14,638	15,085
Waipuka 559	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waipuka 560	350	217	190	197	260	220	1,107	2,833	4,608	6,398	8,599	6,628	31,039	31,607
Napili A 569	4,001	6,028	3,016	2,097	3,693	3,423	6,482	6,698	11,739	16,708	14,898	7,544	76,297	86,327
Napili B 570	8,692	10,778	10,642	9,154	11,111	18,166	13,468	18,647	21,406	22,508	22,382	23,208	170,692	190,162
Napili C 571	38,714	28,605	40,991	38,910	42,744	41,853	42,786	41,024	38,796	3,977	0	0	291,080	358,399
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	17	0	0	789	135	0	0	24	48	24,605	29,808	30,357	85,767	85,784
<b>DAILY AVERAGE</b>	<b>1,742</b>	<b>1,485</b>	<b>1,789</b>	<b>1,833</b>	<b>1,877</b>	<b>2,126</b>	<b>2,100</b>	<b>2,404</b>	<b>2,588</b>	<b>2,613</b>	<b>2,866</b>	<b>2,431</b>	<b>2,265</b>	<b>2,156</b>
<i>Hana</i>														
Hamao 597	397	2	1,207	754	2,177	2,749	454	1,029	2,103	2,190	1,169	488	14,321	14,720
Hamao #2	6,866	6,821	4,127	3,476	2,336	1,613	4,386	3,380	1,283	1,164	2,234	3,225	27,223	40,709
Kearnae #1	14	0	0	530	1,036	1,076	1,058	794	338	329	253	1	5,415	5,430
Kearnae #2	943	994	1,032	462	2	1	103	430	649	677	800	1,111	5,266	7,203
Wakui 550 B	7,449	0	0	0	32	11	72	744	2,625	1,606	2,240	1,760	9,090	16,539
Wakui C	0	0	7,555	5,557	6,699	6,119	7,073	6,057	3,429	3,050	1,834	2,306	49,679	49,679
<b>DAILY AVERAGE</b>	<b>516</b>	<b>252</b>	<b>449</b>	<b>385</b>	<b>396</b>	<b>386</b>	<b>424</b>	<b>414</b>	<b>336</b>	<b>291</b>	<b>284</b>	<b>287</b>	<b>365</b>	<b>368</b>
<i>Molokai</i>														
Kawela 551	3	7	6	11	7	9	7	0	5	3	3	4	53	62
Kawela 552	3,877	3,454	3,402	3,252	3,878	4,115	4,707	4,881	4,329	4,205	4,049	3,973	40,792	48,123
Ualapue 553	5,287	1,115	4,209	5,154	6,134	3,295	141	3,863	3,284	4,425	5,820	3,326	39,651	46,052
Ualapue 554	0	2,991	872	33	50	3,159	6,573	3,521	3,556	3,121	1,201	3,527	25,612	28,604
Kualapuu	17,647	14,130	16,222	14,703	15,633	16,291	16,886	18,898	19,744	19,856	19,138	17,879	175,252	207,029
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>DAILY AVERAGE</b>	<b>894</b>	<b>700</b>	<b>797</b>	<b>827</b>	<b>829</b>	<b>896</b>	<b>913</b>	<b>1,039</b>	<b>997</b>	<b>1,020</b>	<b>1,007</b>	<b>926</b>	<b>926</b>	<b>904</b>

### DWS Groundwater Use - Island of Maui

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 10/31/17	% Sustainable Yield	
Wailuku	Waikapu	3						
		20						
				Mokuhau 1	5330-09	547,559,000	1,500,162	7.50%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	1,038,837,000	2,846,129	14.23%
				Waihee 1	5431-02	1,127,910,000	3,090,164	15.45%
				Waihee 2	5431-03	468,248,000	1,282,871	6.41%
				Waihee 3	5431-04	388,156,000	1,063,441	5.32%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	394,784,000	1,081,600	5.41%
				Wailuku Shaft 33	5330-05	0	0	0.00%
				Kepaniwai	5332-05	262,029,000	717,888	3.59%
				Iao Tank Site Well	5230-02	461,034,000	1,263,107	6.32%
				Waikapu Well	5131-01	394,029,000	1,079,532	5.40%
				Wailuku 1	5230-04	362,113,000	992,090	4.96%
				Wailuku 2	5230-05	284,481,000	779,400	3.90%
		<b>Iao Subtotal</b>					<b>15,696,384</b>	<b>78.48%</b>
	Waihee	8						
				North Waihee # 1	5631-02	389,181,000	1,066,249	13.33%
				North Waihee # 2	5631-03	282,792,000	774,773	9.68%
				Kanoa 1	5731-02	380,595,000	1,042,726	13.03%
				Kanoa 2	5731-04	503,249,000	1,378,764	17.23%
				Kupaa	5731-03	492,238,000	1,348,597	16.86%
	<b>Waihee Subtotal</b>					<b>5,611,110</b>	<b>70.14%</b>	
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
				Maui Lani #5	5229-04	69,311,000	189,893	18.99%
				Maui Lani #6	5229-05	134,290,000	367,918	36.79%
				Maui Lani #7	5229-06	194,775,000	533,630	53.36%
		<b>Kahului Subtotal</b>					<b>1,091,441</b>	<b>109.14%</b>
		Kamaole	11					
		Paia	7					
			Hamakuapoko 1	5420-02	5,056,000	13,852	0.20%	
				Hamakuapoko 2	5320-01	5,007,000	13,718	0.20%
	<b>Paia Subtotal</b>					<b>27,570</b>	<b>0.39%</b>	
	Makawao	7						
				Pookela	5118-02	100,129,000	274,326	3.92%
	<b>Makawao Subtotal</b>					<b>274,326</b>	<b>3.92%</b>	
Koolau	Haiku	27						
				Kaupakalua	5317-01	195,036,000	534,345	1.98%
				Haiku	5419-01	86,872,000	238,005	0.88%
		<b>Haiku Subtotal</b>					<b>0</b>	<b>2.86%</b>
		Honopou	25					
	Waiakamoi	40						
	Keanae	83						
			Keanae 1	5108-01	5,430,000	14,877	0.02%	
				Keanae2	5108-02	7,203,000	19,734	0.02%
	<b>Keanae Subtotal</b>					<b>34,611</b>	<b>0.04%</b>	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 10/31/17	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48					
			Hamoia 1	4300-02	14,720,000	40,329	0.08%
			Hamoia 2	4300-03	40,709,000	111,532	0.23%
			Wakiu B	4600-03	16,539,000	45,312	0.09%
		Wakiu C	4600-04	49,679,000	136,107	0.28%	
	<b>Kawaipapa Subtotal</b>					<b>333,279</b>	<b>0.69%</b>
Waiholi		18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8	Napili A	5838-01	86,327,000	236,512	2.96%
			Napili B	5838-02	190,162,000	520,992	6.51%
			Napili C	5838-04	358,399,000	981,915	12.27%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	85,784,000	235,025	2.94%
		<b>Honolua Subtotal</b>					<b>1,974,444</b>
	Honokowai	6					
Launiupoko		7					
			Kanaha 1	5339-03	19,476,000	53,359	0.76%
			Kanaha 2	5339-04	15,085,000	41,329	0.59%
			Waipuka 1	5339-01	0	0	0.00%
			Waipuka 2	5339-02	31,607,000	86,595	1.24%
	<b>Launiupoko Subtotal</b>					<b>181,282</b>	<b>2.59%</b>
	Olowalu	2					
	Ukumehame	2					



**DWS Groundwater Use - Island of Molokai**

Aquifer Sector	Aquifer System	Sustainable Yield	Developable Yield	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 10/31/17	Sustainable Yield - % DWS	% DY MWWGR
West	Kaluakoi	2	2						
	Punakou	2	2						
Central	Hoolehua	2	2						
	Manawainui	2	2						
	Kualapuu	5	5	Kualapuu	0801-03	207,029,000	567,203	11.34%	11.34%
	Kualapuu Subtotal			Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
						<b>567,203</b>	<b>11.34%</b>	<b>11.34%</b>	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	48,185,000	132,014	2.64%	2.64%
	Kawela Subtotal						<b>132,014</b>	<b>2.64%</b>	<b>2.64%</b>
	Ualapue	8	8	Ualapue	0449-01	74,656,000	204,537	2.56%	2.56%
	Ualapue Subtotal						<b>204,537</b>	<b>2.56%</b>	<b>2.56%</b>
	Waialua	6	8						
Northeast	Kalaupapa	2	0						
	Kahanui	3	0						
	Waikolu	5	4.5						
	Haupu	2	0						
	Pelekunu	9	0						
	Wailau	15	0						
	Halawa	8	0						

