

ALAN M. ARAKAWA  
Mayor



DAVID TAYLOR, P.E.  
Director

GLADYS C. BAISA  
Deputy Director

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

OFFICE OF THE COUNTY CLERK  
County of Maui

SEP 12 2017 9:39 am *am*

September 8, 2017

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  
*Alan Arakawa* 9/12/17  
Mayor 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 August 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,

*Glady's C. Baisa for*

DAVID TAYLOR  
Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 17-374

"By Water All Things Find Life"

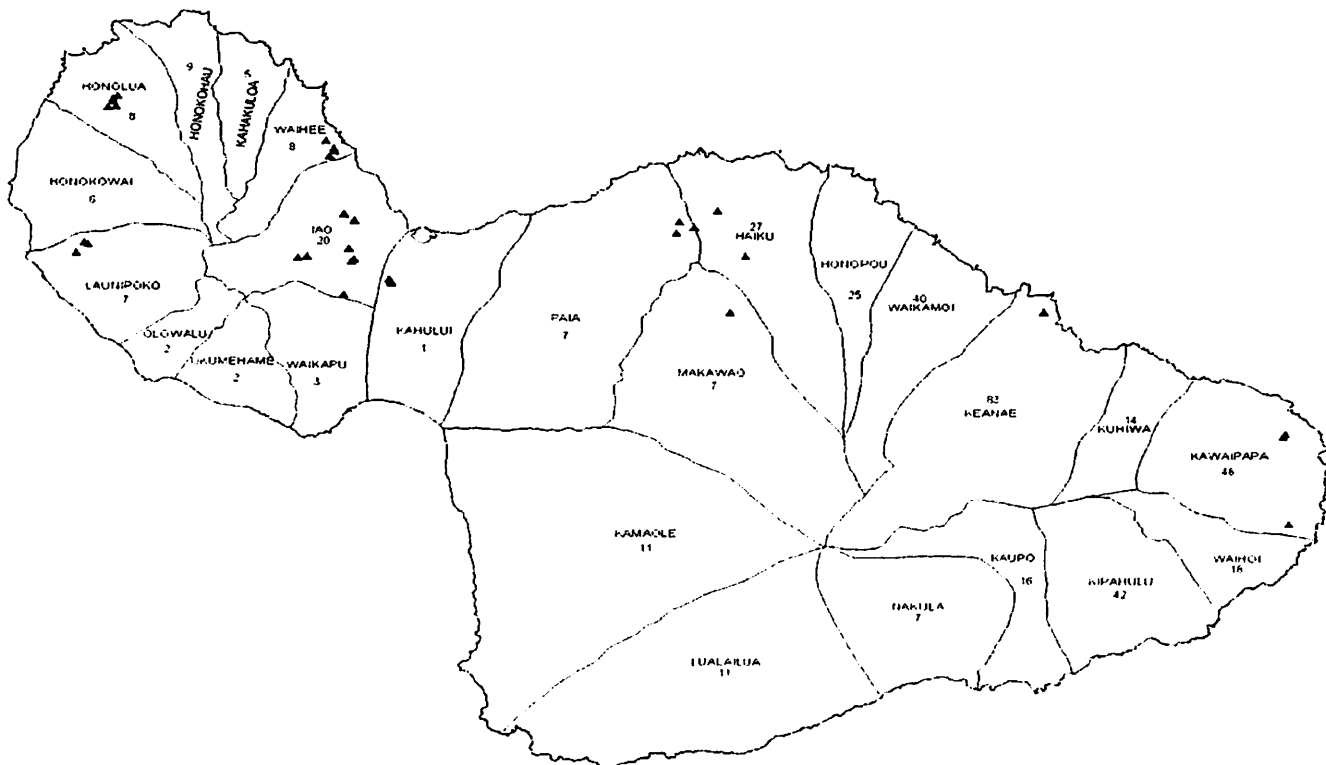
County of Maui  
Dept. of Water Supply  
Monthly Source Reports  
(Gals X 1000)

WELL NAME	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Current Year	Last 12 Months
<i>Conral</i>														
Mokuhau 501	47,127	40,435	25,356	18,783	29,858	21,351	38,938	46,566	59,671	67,872	64,352	58,931	387,540	519,241
Mokuhau 503	99,511	112,980	106,117	99,351	102,451	91,707	75,445	78,049	71,400	79,383	85,991	88,953	671,358	1,089,317
Waihee 577	100,047	111,706	107,713	89,566	94,371	75,460	80,080	91,171	79,145	86,279	108,618	114,302	729,425	1,138,458
Waihee 578	55,682	71,078	69,296	32,152	58,482	67,773	66,566	80,320	63,707	29,336	0	0	366,182	594,369
Waihee 579	0	0	0	0	0	0	0	0	4,148	55,256	92,866	82,440	234,710	234,710
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	31,523	32,099	30,453	27,128	29,438	26,520	30,396	32,810	34,359	35,851	37,953	37,265	264,591	385,792
Waiuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	44,820	57,596	60,431	62,496	59,248	25,402	51,873	59,816	39,801	18,721	10,303	25,739	290,902	516,245
Waikapu	33,000	34,457	35,315	28,511	32,400	26,210	28,222	32,720	34,410	31,220	37,050	36,359	258,589	389,871
Waiuku 1	8,049	63,869	61,424	38,755	35,904	44,224	10,714	18,114	30,183	50,183	22,469	14,034	226,804	398,901
Waiuku 2	7,931	842	0	0	0	0	362	140	9,233	16,781	64,423	64,469	155,407	164,180
<b>DAILY AVERAGE</b>	<b>14,256</b>	<b>16,937</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>16,695</b>	<b>16,904</b>	<b>16,790</b>	<b>14,755</b>	<b>14,880</b>
Kepaniwai 511	21,143	22,319	21,526	22,320	22,303	20,133	22,318	21,580	22,116	21,600	22,143	22,316	174,507	281,815
Iao Tunnel	20,534	0	0	0	0	24,978	37,774	38,397	33,394	32,880	34,346	33,934	233,703	254,236
<b>DAILY AVERAGE</b>	<b>1,389</b>	<b>720</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>1,815</b>	<b>1,680</b>	<b>1,414</b>
N. Waihee #1	38,951	45,421	41,822	32,588	37,501	36,219	42,349	41,198	40,523	27,411	26,771	25,334	277,306	436,068
N. Waihee #2	44,680	46,787	45,114	34,254	24,646	21,029	18,002	13,768	22,483	19,438	19,961	18,452	157,777	328,592
Kanoa #1	34,613	31,379	26,043	21,391	7,315	31,135	34,954	43,353	32,431	24,200	19,900	46,680	239,968	353,393
Kanoa #2	0	0	0	12,969	59,029	53,187	59,355	57,569	58,628	37,094	47,004	37,095	408,962	421,931
Kupas	42,024	47,192	48,369	48,692	43,996	29,254	33,068	33,321	34,751	46,405	48,280	44,899	313,975	498,252
<b>DAILY AVERAGE</b>	<b>5,342</b>	<b>5,508</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>5,152</b>	<b>5,223</b>	<b>5,563</b>	<b>5,753</b>	<b>5,584</b>
Maui Lani #5	6,178	5,819	5,779	5,891	5,671	5,201	5,680	5,755	5,829	5,761	5,974	6,155	46,025	69,690
Maui Lani #6	11,446	11,582	11,283	11,549	11,599	10,391	11,526	11,009	11,303	11,009	11,336	11,327	89,498	135,360
Maui Lani #7	16,491	16,605	16,185	16,737	16,761	13,716	16,238	16,232	16,747	16,237	16,746	16,765	129,439	195,457
<b>DAILY AVERAGE</b>	<b>1,137</b>	<b>1,097</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>1,090</b>	<b>1,097</b>
<i>UpCountry</i>														
Haiku	5,528	6,411	5,979	5,876	6,576	6,125	7,332	7,040	7,498	8,301	8,494	7,909	59,275	83,069
H' Poko #1	0	0	0	0	15	0	666	2,382	0	83	589	0	3,736	3,736
H' Poko #2	0	0	0	0	8	0	772	2,408	1	83	576	0	3,847	3,847
Kaupakahua	15,558	16,855	14,831	15,470	16,189	13,871	15,946	15,239	16,357	15,931	16,609	16,037	128,179	187,895
Pookela	302	63	270	999	601	23,100	39,752	22,597	782	127	5,090	310	82,339	83,973
<b>DAILY AVERAGE</b>	<b>713</b>	<b>720</b>	<b>703</b>	<b>721</b>	<b>754</b>	<b>1,539</b>	<b>2,080</b>	<b>1,666</b>	<b>794</b>	<b>818</b>	<b>1,012</b>	<b>782</b>	<b>1,174</b>	<b>1,021</b>
<i>Lahaina</i>														
Kanaha 575	1,782	225	220	209	305	105	109	30	509	1,199	2,120	3,722	8,098	10,543
Kanaha 576	1,867	372	252	195	328	72	126	81	748	1,710	1,507	3,088	7,659	10,345
Waipuka 559	180	0	0	0	0	0	0	0	0	0	0	0	0	180
Waipuka 560	2,219	600	350	217	190	197	260	220	1,107	2,833	4,608	6,398	15,813	19,199
Napili A 569	1,889	3,147	4,001	6,028	3,016	2,097	3,693	3,423	6,462	6,698	11,739	16,708	53,855	69,021
Napili B 570	11,833	13,322	8,692	10,778	10,842	9,154	11,111	18,166	13,468	18,647	21,406	22,508	125,102	169,727
Napili C 571	41,702	41,294	38,714	28,605	40,991	38,910	42,744	41,853	42,786	41,024	38,796	3,977	291,080	441,396
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	10	0	17	0	0	789	135	0	0	24	48	24,605	25,602	25,629
<b>DAILY AVERAGE</b>	<b>2,053</b>	<b>1,602</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>2,170</b>	<b>2,044</b>
<i>Hana</i>														
Hamoia 597	1,058	1,516	397	2	1,207	754	2,177	2,749	454	1,029	2,103	2,190	12,663	15,636
Hamoia #2	6,337	5,811	6,666	6,821	4,127	3,476	1,613	4,386	3,360	1,263	1,164	1,164	21,764	47,398
Keanae #1	0	757	14	0	0	530	1,036	1,076	1,056	794	338	329	5,161	5,833
Keanae #2	1,223	519	943	994	1,032	482	2	1	103	430	649	677	3,355	7,034
Waklu 550 B	7,129	7,783	7,449	0	0	0	32	11	72	744	2,625	1,606	5,090	27,431
Waklu C	0	0	0	0	7,555	5,557	6,699	6,119	7,073	6,057	3,429	3,050	45,539	45,539
<b>DAILY AVERAGE</b>	<b>625</b>	<b>628</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>385</b>	<b>408</b>
<i>Molokai</i>														
Kawela 551	3,588	3	3	7	6	11	7	9	7	0	5	3	46	3,646
Kawela 552	140	3,814	3,877	3,454	3,402	3,252	3,878	4,115	4,707	4,881	4,329	4,205	32,770	44,055
Ualapue 553	4,625	5,297	5,287	1,115	4,209	5,154	6,134	3,295	141	3,863	3,264	4,425	30,505	46,829
Ualapue 554	3	0	0	2,991	872	33	50	3,159	6,573	3,521	3,556	3,121	20,885	23,880
Kualapuu	17,038	18,008	17,647	14,130	16,222	14,703	15,633	16,291	16,896	18,898	19,744	19,856	138,235	205,057
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>DAILY AVERAGE</b>	<b>646</b>	<b>675</b>	<b>694</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>915</b>	<b>886</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 8/31/17	% Sustainable Yield	
Wailuku	Waikapu	3						
		lao	20					
				Mokuhau 1	5330-09	519,241,000	1,422,578	7.11%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	1,089,317,000	2,984,430	14.92%
				Waihee 1	5431-02	1,138,458,000	3,119,063	15.60%
				Waihee 2	5431-03	594,389,000	1,628,463	8.14%
				Waihee 3	5431-04	234,710,000	643,041	3.22%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	385,792,000	1,056,964	5.28%
				Wailuku Shaft 33	5330-05	0	0	0.00%
				Kepaniwai	5332-05	261,815,000	717,301	3.59%
				lao Tank Site Well	5230-02	516,245,000	1,414,370	7.07%
	Waikapu Well	5131-01	389,871,000	1,068,140	5.34%			
	Wailuku 1	5230-04	398,901,000	1,092,879	5.46%			
	Wailuku 2	5230-05	164,180,000	449,808	2.25%			
	<b>lao Subtotal</b>				<b>15,597,038</b>	<b>77.99%</b>		
	Waihee	8						
			North Waihee # 1	5631-02	436,068,000	1,194,707	14.93%	
			North Waihee # 2	5631-03	328,592,000	900,252	11.25%	
			Kanoa 1	5731-02	353,393,000	968,200	12.10%	
			Kanoa 2	5731-04	421,931,000	1,155,975	14.45%	
	Kupaa	5731-03	498,252,000	1,365,074	17.06%			
	<b>Waihee Subtotal</b>				<b>5,584,208</b>	<b>69.80%</b>		
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
				Maui Lani #5	5229-04	69,690,000	190,932	19.09%
				Maui Lani #6	5229-05	135,360,000	370,849	37.08%
		Maui Lani #7	5229-06	195,457,000	535,499	53.55%		
		<b>Kahului Subtotal</b>				<b>1,097,279</b>	<b>109.73%</b>	
		Kamaole	11					
	Paia	7						
			Hamakuapoko 1	5420-02	3,736,000	10,236	0.15%	
			Hamakuapoko 2	5320-01	3,847,000	10,540	0.15%	
	<b>Paia Subtotal</b>				<b>20,775</b>	<b>0.30%</b>		
	Makawao	7						
	Pookela	5118-02	93,973,000	257,460	3.68%			
	<b>Makawao Subtotal</b>				<b>257,460</b>	<b>3.68%</b>		
Koolau	Haiku	27						
				Kaupakalua	5317-01	187,895,000	514,781	1.91%
		Haiku	5419-01	83,069,000	227,586	0.84%		
		<b>Haiku Subtotal</b>				<b>0</b>	<b>2.75%</b>	
	Honopou	25						
	Waiakamoi	40						
	Keanae	83						
			Keanae 1	5108-01	5,933,000	16,255	0.02%	
			Keanae2	5108-02	7,034,000	19,271	0.02%	
	<b>Keanae Subtotal</b>				<b>35,526</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 8/31/17	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaiipapa	48					
			Hamoia 1	4300-02	15,636,000	42,838	0.09%
			Hamoia 2	4300-03	47,398,000	129,858	0.27%
			Wakiu B	4600-03	27,431,000	75,153	0.16%
			Wakiu C	4600-04	45,539,000	124,764	0.26%
	<b>Kawaiipapa Subtotal</b>					<b>372,614</b>	<b>0.78%</b>
Waihoi		18					
Kipahulu		42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8					
			Napili A	5838-01	69,021,000	189,099	2.36%
			Napili B	5838-02	169,727,000	465,005	5.81%
			Napili C	5838-04	441,396,000	1,209,304	15.12%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	25,629,000	70,216	0.88%
	<b>Honolua Subtotal</b>					<b>1,933,625</b>	<b>24.17%</b>
	Honokowai	6					
Launiupoko		7					
			Kanaha 1	5339-03	10,543,000	28,885	0.41%
			Kanaha 2	5339-04	10,345,000	28,342	0.40%
			Waipuka 1	5339-01	180,000	493	0.01%
			Waipuka 2	5339-02	19,199,000	52,600	0.75%
	<b>Launiupoko Subtotal</b>					<b>110,321</b>	<b>1.58%</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 8/31/17	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	205,057,000	561,800	11.24%	11.24%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
Kualapuu Subtotal						561,800	11.24%	11.24%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	47,701,000	130,688	2.61%	2.61%
				Kawela Subtotal				130,688	2.61%
	Ualapue	8	8						
	Ualapue Subtotal				Ualapue	0449-01	70,709,000	193,723	2.42%
						193,723	2.42%	2.42%	
Northeast	Waialua	6	8						
	Kalaupapa	2	0						
	Kahanui	3	0						
	Waikolu	5	4.5						
	Haupu	2	0						
	Pelekunu	9	0						
	Wailau	15	0						
	Halawa	8	0						

