

ALAN M. ARAKAWA  
Mayor



DAVID TAYLOR, P.E.  
Director

GLADYS C. BAISA  
Deputy Director

RECEIVED

2017 JUL 10 AM 9:17

OFFICE OF THE MAYOR

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

Jul 6, 2017

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

RECEIVED  
2017 JUL 14 AM 9:35  
OFFICE OF THE  
COUNTY CLERK

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 Date 7/13/17

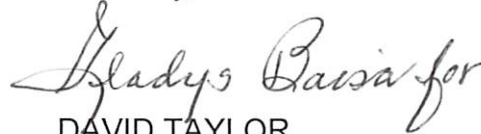
Dear Chair White and Members:

**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 June 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. 17-203

"By Water All Things Find Life"

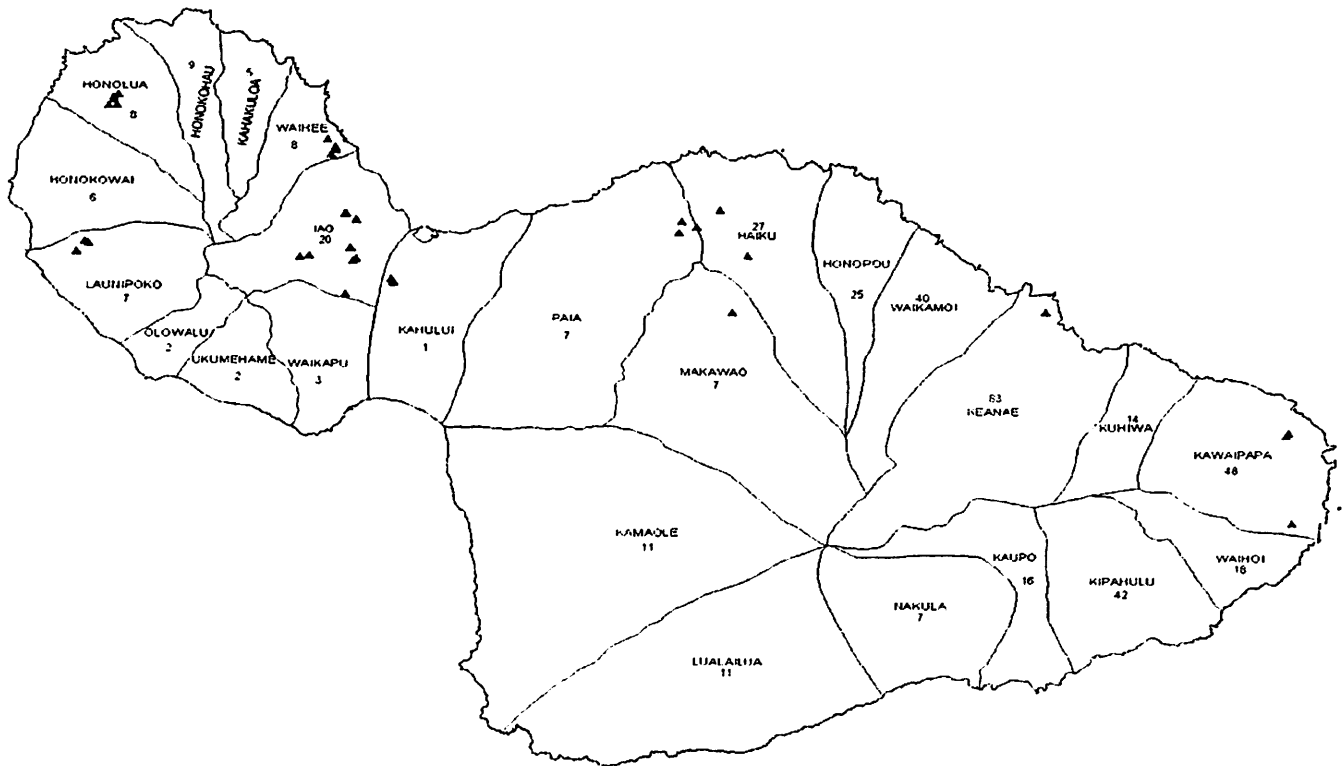
**County of Maui**  
**Dept. of Water Supply**  
**Monthly Source Reports**  
(Gals X 1000)

WELL NAME	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	63,337	65,726	47,127	40,435	25,356	18,783	29,858	21,351	38,938	46,566	59,671	67,872	196,384	525,021
Mokuhau 503	18,766	38,531	99,511	112,980	106,117	99,351	102,451	91,707	75,445	78,049	71,400	79,363	419,051	973,670
Waihee 577	100,246	104,219	100,047	111,706	107,713	89,566	94,371	75,460	80,080	91,171	79,145	86,279	420,227	1,120,003
Waihee 578	48,219	51,665	55,682	71,078	69,296	32,152	58,482	67,773	66,566	80,320	63,707	29,336	336,847	694,273
Waihee 579	74	0	0	0	0	0	0	0	0	0	4,148	55,256	4,148	59,478
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	31,931	32,564	31,523	32,099	30,453	27,128	29,438	26,520	30,396	32,810	34,359	35,851	153,522	375,070
Wailuku Shaft 33	143,666	71,489	0	0	0	0	0	0	0	0	0	0	0	215,155
Iao	31,683	33,058	44,820	57,596	60,431	62,496	59,248	25,402	51,873	59,816	39,801	18,721	236,140	544,945
Waikapu	33,870	35,810	33,000	34,457	35,315	28,511	32,400	26,210	28,222	32,720	34,410	31,220	153,961	386,142
Wailuku 1	7,632	48,082	8,049	63,869	61,424	38,755	35,904	44,224	10,714	19,114	30,183	50,163	140,139	418,113
Wailuku 2	0	0	7,931	842	0	0	0	0	362	140	9,233	16,781	9,735	35,288
<b>DAILY AVERAGE</b>	<b>15,465</b>	<b>15,521</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>15,695</b>	<b>11,437</b>	<b>14,850</b>
Kepaniwai 511	22,279	22,233	21,143	22,319	21,526	22,320	22,303	20,133	22,318	21,580	22,116	21,600	108,449	261,868
Iao Tunnel	49,779	49,704	20,534	0	0	0	0	24,978	37,774	36,397	33,394	32,984	132,543	285,544
<b>DAILY AVERAGE</b>	<b>2,324</b>	<b>2,321</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>1,819</b>	<b>1,331</b>	<b>1,500</b>
<i>N. Waihee #1</i>														
N. Waihee #1	32,234	38,266	38,951	45,421	41,822	32,568	37,501	36,219	42,349	41,198	40,523	27,411	197,790	454,463
N. Waihee #2	21,428	44,778	44,680	46,767	45,114	34,254	24,646	21,029	18,002	13,768	22,483	19,438	99,927	356,387
Kanoa #1	24,006	30,779	34,613	31,379	26,043	21,391	7,315	31,135	34,954	43,353	32,431	24,200	149,188	341,598
Kanoa #2	30,960	7,043	0	0	0	12,969	59,029	53,187	59,355	57,569	58,628	37,094	287,768	375,834
Kupaa	41,863	45,554	42,024	47,192	46,369	48,692	43,996	29,254	33,068	33,321	34,751	46,405	174,391	492,491
<b>DAILY AVERAGE</b>	<b>4,855</b>	<b>5,368</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>5,022</b>	<b>5,536</b>
<i>Maui Lani #5</i>														
Maui Lani #5	5,694	5,781	6,176	5,819	5,779	5,891	5,671	5,201	5,680	5,755	5,829	5,761	28,135	69,036
Maui Lani #6	11,274	11,578	11,446	11,582	11,283	11,549	11,599	10,391	11,526	11,009	11,303	11,009	55,827	135,549
Maui Lani #7	16,363	16,617	16,491	16,605	16,185	16,737	16,761	13,716	16,236	16,232	16,747	16,237	79,692	194,825
<b>DAILY AVERAGE</b>	<b>1,075</b>	<b>1,096</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>904</b>	<b>1,095</b>
<i>UpCountry</i>														
Haiku	6,368	6,368	5,528	6,411	5,979	5,876	6,576	6,125	7,332	7,040	7,498	8,301	34,571	79,402
H' Poko #1	2	0	0	0	0	0	15	0	666	2,382	0	83	3,064	3,149
H' Poko #2	0	0	0	0	0	0	8	0	772	2,408	1	83	3,188	3,271
Kaupakalua	17,452	16,808	15,558	15,855	14,831	15,470	16,189	13,871	15,946	15,239	16,357	15,931	77,602	189,508
Pookela	6,260	180	302	63	270	999	601	23,100	39,752	22,597	762	127	86,813	95,014
<b>DAILY AVERAGE</b>	<b>970</b>	<b>753</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>1,856</b>	<b>794</b>	<b>818</b>	<b>1,134</b>	<b>1,015</b>
<i>Lahaina</i>														
Kanaha 575	1,175	480	1,792	225	220	209	305	105	109	30	509	1,199	1,057	6,356
Kanaha 576	2,187	911	1,867	372	252	195	328	72	126	81	748	1,710	1,354	8,848
Waipuka 559	3,621	1,627	180	0	0	0	0	0	0	0	0	0	0	5,428
Waipuka 560	2,466	1,015	2,219	600	350	217	190	197	260	220	1,107	2,833	1,974	11,674
Napili A 569	17,387	10,405	1,989	3,147	4,001	6,028	3,016	2,097	3,693	3,423	6,482	6,698	18,711	68,366
Napili B 570	1,547	7,723	11,833	13,322	8,692	10,778	10,642	9,154	11,111	18,166	13,468	18,647	62,541	135,083
Napili C 571	42,949	42,022	41,702	41,294	38,714	28,605	40,991	38,910	42,744	41,853	42,786	41,024	207,283	483,593
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	10	10	10	0	17	0	0	789	135	0	0	24	924	997
<b>DAILY AVERAGE</b>	<b>2,301</b>	<b>2,071</b>	<b>2,053</b>	<b>1,902</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>1,623</b>	<b>1,974</b>
<i>Hana</i>														
Hamao 597	1,678	793	1,058	1,516	397	2	1,207	754	2,177	2,749	454	1,029	7,341	13,814
Hamao #2	6,661	7,981	6,337	5,811	6,666	6,821	4,127	3,476	2,336	1,613	4,386	3,380	15,938	59,594
Keanae #1	1,296	0	0	757	14	0	0	530	1,036	1,076	1,058	794	3,701	6,563
Keanae #2	265	1,223	1,223	519	943	994	1,032	462	2	1	103	430	1,599	7,196
Waihi 550 B	7,454	7,073	7,129	7,763	7,449	0	0	0	32	11	72	744	115	37,727
Waihi C	0	0	0	0	0	0	7,555	5,557	6,699	6,119	7,073	6,057	33,003	39,060
<b>DAILY AVERAGE</b>	<b>560</b>	<b>551</b>	<b>525</b>	<b>528</b>	<b>516</b>	<b>252</b>	<b>449</b>	<b>385</b>	<b>386</b>	<b>386</b>	<b>424</b>	<b>414</b>	<b>341</b>	<b>469</b>
<i>Molokai</i>														
Kawela 551	4,269	4,249	3,588	3	3	7	6	11	7	9	7	0	39	12,157
Kawela 552	4	3	140	3,814	3,877	3,454	3,402	3,252	3,878	4,115	4,707	4,881	19,354	35,528
Ualapue 553	6,093	5,381	4,625	5,297	5,287	1,115	4,209	5,154	6,134	3,295	141	3,863	18,933	50,594
Ualapue 554	11	0	3	0	0	2,991	872	33	50	3,159	6,573	3,521	10,687	17,215
Kualapuu	17,861	19,260	17,038	18,008	17,647	14,130	16,222	14,703	15,633	16,291	16,886	18,898	79,736	202,578
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>DAILY AVERAGE</b>	<b>911</b>	<b>932</b>	<b>846</b>	<b>875</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>711</b>	<b>871</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 6/30/17	% Sustainable Yield	
Wailuku	Waikapu	3						
	Iao		20	Mokuhau 1	5330-09	525,021,000	1,438,414	7.19%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	973,670,000	2,667,589	13.34%
				Waihee 1	5431-02	1,120,003,000	3,068,501	15.34%
				Waihee 2	5431-03	694,273,000	1,902,118	9.51%
				Waihee 3	5431-04	59,478,000	162,953	0.81%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	375,070,000	1,027,589	5.14%
				Wailuku Shaft 33	5330-05	215,155,000	589,466	2.95%
				Kepaniwai	5332-05	261,868,000	717,447	3.59%
				Iao Tank Site Well	5230-02	544,945,000	1,493,000	7.47%
				Waikapu Well	5131-01	386,142,000	1,057,923	5.29%
				Wailuku 1	5230-04	418,113,000	1,145,515	5.73%
				Wailuku 2	5230-05	35,288,000	96,679	0.48%
				<b>Iao Subtotal</b>				
	Waihee	8						
			North Waihee # 1	5631-02	454,463,000	1,245,104	15.56%	
			North Waihee # 2	5631-03	356,387,000	976,403	12.21%	
			Kanoa 1	5731-02	341,598,000	935,885	11.70%	
			Kanoa 2	5731-04	375,834,000	1,029,682	12.87%	
			Kupaa	5731-03	492,491,000	1,349,290	16.87%	
<b>Waihee Subtotal</b>					<b>5,536,364</b>	<b>69.20%</b>		
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
			Maui Lani #5	5229-04	69,036,000	189,140	18.91%	
			Maui Lani #6	5229-05	135,549,000	371,367	37.14%	
			Maui Lani #7	5229-06	194,925,000	534,041	53.40%	
<b>Kahului Subtotal</b>					<b>1,094,548</b>	<b>109.45%</b>		
	Kamaole	11						
	Paia	7						
			Hamakuapoko 1	5420-02	3,149,000	8,627	0.12%	
			Hamakuapoko 2	5320-01	3,271,000	8,962	0.13%	
<b>Paia Subtotal</b>						<b>17,589</b>	<b>0.25%</b>	
	Makawao	7						
			Pookela	5118-02	95,014,000	260,312	3.72%	
<b>Makawao Subtotal</b>						<b>260,312</b>	<b>3.72%</b>	
Koolau	Haiku	27						
			Kaupakalua	5317-01	189,508,000	519,200	1.92%	
			Haiku	5419-01	79,402,000	217,540	0.81%	
<b>Haiku Subtotal</b>					<b>0</b>	<b>736,740</b>	<b>2.73%</b>	
	Honopou	25						
	Waiakamoi	40						
	Kearae	83						
			Kearae 1	5108-01	6,563,000	17,981	0.02%	
			Kearae2	5108-02	7,196,000	19,715	0.02%	
<b>Kearae Subtotal</b>						<b>37,696</b>	<b>0.05%</b>	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 6/30/17	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48					
			Hamoia 1	4300-02	13,814,000	37,847	0.08%
			Hamoia 2	4300-03	59,594,000	163,271	0.34%
			Wakiu B	4600-03	37,727,000	103,362	0.22%
		Wakiu C	4600-04	39,060,000	107,014	0.22%	
	<b>Kawaipapa Subtotal</b>					<b>411,493</b>	<b>0.86%</b>
Waihoi		18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualalua	11					
Lahaina	Honolua	8					
			Napili A	5838-01	68,366,000	187,304	2.34%
			Napili B	5838-02	135,083,000	370,090	4.63%
			Napili C	5838-04	483,593,000	1,324,912	16.56%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	997,000	2,732	0.03%
	<b>Honolua Subtotal</b>					<b>1,885,038</b>	<b>23.56%</b>
	Honokowai	6					
Launipoko		7					
			Kanaha 1	5339-03	6,356,000	17,414	0.25%
			Kanaha 2	5339-04	8,848,000	24,241	0.35%
			Waipuka 1	5339-01	5,428,000	14,871	0.21%
			Waipuka 2	5339-02	11,674,000	31,984	0.46%
	<b>Launipoko Subtotal</b>					<b>88,510</b>	<b>1.26%</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 6/30/17	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	202,578,000	555,008	11.10%	11.10%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
				Kualapuu Subtotal			555,008	11.10%	11.10%
Southeast	Kamiloloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	47,685,000	130,644	2.61%	2.61%
				Kawela Subtotal			130,644	2.61%	2.61%
				Ualapue	0449-01	67,809,000	185,778	2.32%	2.32%
				Ualapue Subtotal			185,778	2.32%	2.32%
				Waalua					
Northeast	Kalaupapa	2	0						
	Kahanui	3	0						
	Waikolu	5	4.5						
	Haupu	2	0						
	Pelekunu	9	0						
	Wailau	15	0						
	Halawa	8	0						

