

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
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June 6, 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

Al Arakawa 6/9/17
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 May 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. 17-252

"By Water All Things Find Life"

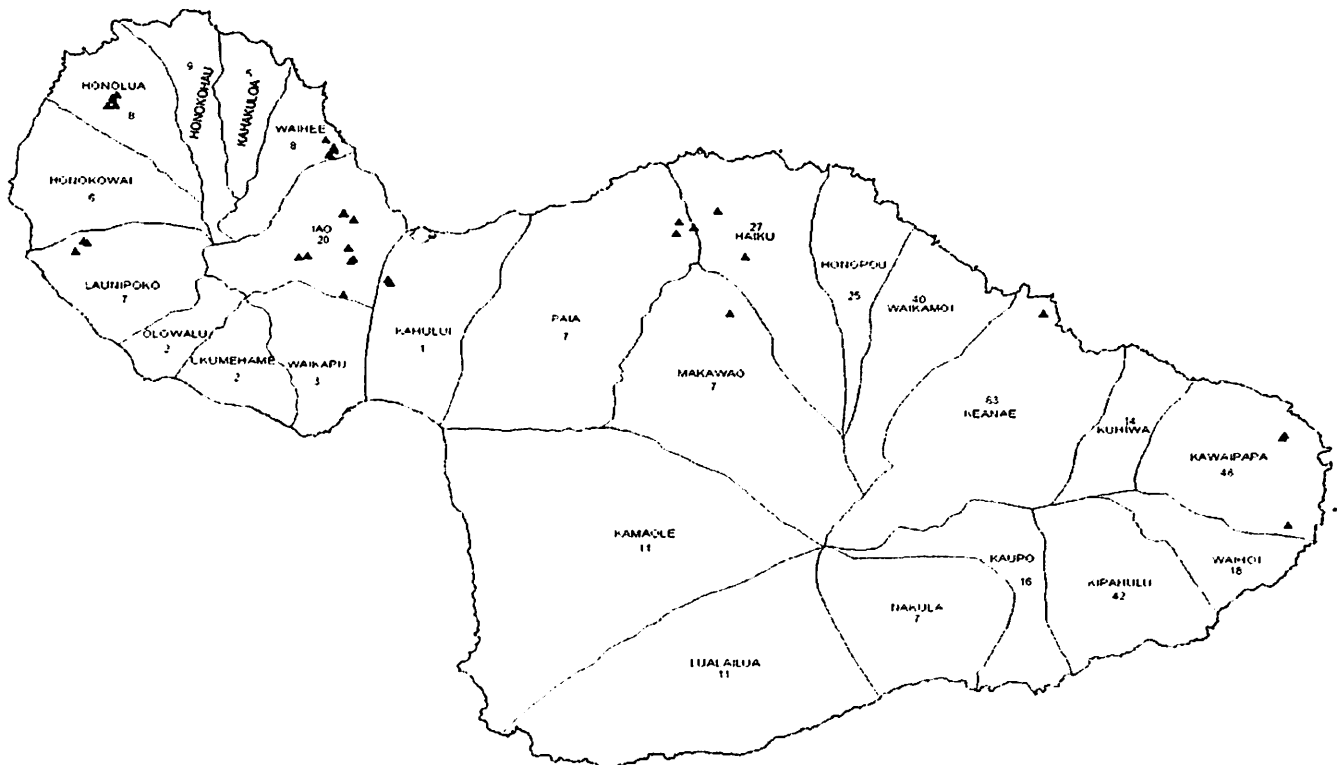
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Current Year	Last 12 Months
Central														
Mokuhau 501	76,619	63,337	65,726	47,127	40,435	25,356	18,783	29,858	21,351	38,938	46,566	59,671	196,384	533,767
Mokuhau 503	517	18,766	38,531	99,511	112,980	106,117	99,351	102,451	91,707	75,445	78,049	71,400	419,051	894,823
Waihee 577	89,771	100,246	104,219	100,047	111,706	107,713	89,566	94,371	75,460	80,080	91,171	79,145	420,227	1,123,494
Waihee 578	36,080	48,219	51,665	55,682	71,078	69,296	32,152	58,482	67,773	66,566	80,320	63,707	336,847	701,017
Waihee 579	0	74	0	0	0	0	0	0	0	0	0	4,148	4,148	4,222
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	29,984	31,931	32,564	31,523	32,099	30,453	27,128	29,438	26,520	30,396	32,810	34,359	153,522	369,202
Wailuku Shaft 33	140,090	143,666	71,489	0	0	0	0	0	0	0	0	0	0	355,245
Iao	25,655	31,683	33,058	44,820	57,596	60,431	62,496	59,248	25,402	51,873	59,816	39,801	236,140	551,879
Waikapu	32,582	33,870	35,810	33,000	34,457	35,315	28,511	32,400	26,210	28,222	32,720	34,410	153,961	387,504
Wailuku 1	336	7,632	48,082	8,049	63,869	61,424	38,755	35,904	44,224	10,714	19,114	30,183	140,139	368,286
Wailuku 2	0	0	0	7,931	842	0	0	0	0	362	140	9,233	9,735	18,508
DAILY AVERAGE	14,388	15,485	15,521	14,256	16,937	16,537	12,798	14,263	13,523	12,342	14,690	13,744	13,710	14,542
Ke paniwai 511														
Ke paniwai 511	21,600	22,279	22,233	21,143	22,319	21,526	22,320	22,303	20,133	22,318	21,580	22,116	108,449	261,868
Iao Tunnel	47,420	49,779	49,704	20,534	0	0	0	0	24,978	37,774	36,397	33,480	132,629	300,066
DAILY AVERAGE	2,301	2,324	2,321	1,389	720	718	720	719	1,611	1,938	1,933	1,793	1,597	1,540
N. Waihee #1														
N. Waihee #1	42,561	32,234	38,266	38,951	45,421	41,822	32,568	37,501	36,219	42,349	41,198	40,523	197,790	469,613
N. Waihee #2														
N. Waihee #2	0	21,428	44,778	44,680	46,767	45,114	34,254	24,646	21,029	18,002	13,768	22,483	99,927	336,949
Kanoa #1														
Kanoa #1	45,129	24,006	30,779	34,613	31,379	26,043	21,391	7,315	31,135	34,954	43,353	32,431	149,188	362,527
Kanoa #2														
Kanoa #2	49,360	30,960	7,043	0	0	0	12,969	59,029	53,187	59,355	57,569	58,628	287,768	388,100
Kupaa														
Kupaa	35,758	41,863	45,554	42,024	47,192	46,369	48,692	43,996	29,254	33,068	33,321	34,751	174,391	481,844
DAILY AVERAGE	5,760	4,855	5,368	5,342	5,508	5,312	4,835	5,564	6,101	6,056	6,307	6,091	6,020	5,586
Maui Lani #5														
Maui Lani #5	5,666	5,694	5,781	6,176	5,819	5,779	5,891	5,671	5,201	5,680	5,755	5,829	28,135	68,942
Maui Lani #6														
Maui Lani #6	11,120	11,274	11,578	11,446	11,582	11,283	11,549	11,599	10,391	11,526	11,009	11,303	55,827	135,660
Maui Lani #7														
Maui Lani #7	16,209	16,363	16,617	16,491	16,605	16,185	16,737	16,761	13,716	16,236	16,232	16,747	79,692	194,897
DAILY AVERAGE	1,100	1,075	1,096	1,137	1,097	1,108	1,102	1,098	1,047	1,079	1,100	1,093	1,084	1,095
UpCountry														
Halku	6,153	6,368	6,368	5,528	6,411	5,979	5,876	6,576	6,125	7,332	7,040	7,498	34,571	77,254
H' Poko #1														
H' Poko #1	0	2	0	0	0	0	0	15	0	666	2,382	0	3,064	3,065
H' Poko #2														
H' Poko #2	0	0	0	0	0	0	0	8	0	772	2,408	1	3,188	3,188
Kaupakalua														
Kaupakalua	17,501	17,452	16,808	15,558	15,855	14,831	15,470	16,189	13,871	15,946	15,239	16,357	77,602	191,078
Pookela														
Pookela	573	6,260	180	302	63	270	999	601	23,100	39,752	22,597	762	86,813	95,460
DAILY AVERAGE	808	970	753	713	720	703	721	754	1,539	2,080	1,656	794	1,359	1,014
Lahaina														
Kanaha 575	529	1,175	480	1,792	225	220	209	305	105	109	30	509	1,057	5,687
Kanaha 576	1,236	2,187	911	1,867	372	252	195	328	72	126	81	748	1,354	8,374
Waipuka 559	2,106	3,621	1,627	180	0	0	0	0	0	0	0	0	0	7,534
Waipuka 560	1,372	2,466	1,015	2,219	600	350	217	190	197	260	220	1,107	1,974	10,214
Napili A 569	13,946	17,387	10,405	1,989	3,147	4,001	6,028	3,016	2,097	3,693	3,423	6,482	18,711	75,614
Napili B 570	1,648	1,547	7,723	11,833	13,322	8,692	10,778	10,642	9,154	11,111	18,166	13,468	62,541	118,084
Napili C 571	40,344	42,949	42,022	41,702	41,294	38,714	28,605	40,991	38,910	42,744	41,853	42,786	207,283	482,914
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	156	10	10	10	0	17	0	0	789	135	0	0	924	1,129
DAILY AVERAGE	2,045	2,301	2,071	2,053	1,902	1,742	1,485	1,789	1,833	1,877	2,126	2,100	1,946	1,944
Hana														
Hamoia 597	4,008	1,678	793	1,058	1,516	397	2	1,207	754	2,177	2,749	454	7,341	16,792
Hamoia #2	3,467	6,661	7,981	6,337	5,811	6,666	6,821	4,127	3,476	2,336	1,613	4,386	15,938	59,681
Keanae #1	1,471	1,296	0	0	757	14	0	0	530	1,036	1,076	1,058	3,701	7,240
Keanae #2	0	265	1,223	1,223	519	943	994	1,032	462	2	1	103	1,599	6,767
Wakui 550 B	7,245	7,454	7,073	7,129	7,763	7,449	0	0	0	32	11	72	115	44,227
Wakui C	0	0	0	0	0	0	0	7,555	5,557	6,699	6,119	7,073	33,003	33,003
DAILY AVERAGE	540	580	551	525	528	516	252	449	385	388	386	424	409	459
Molokai														
Kawela 551	3,321	4,269	4,249	3,588	3	3	7	6	11	7	9	7	39	15,478
Kawela 552	795	4	3	140	3,814	3,877	3,454	3,402	3,252	3,878	4,115	4,707	19,354	31,442
Ualapue 553	7,461	6,093	5,381	4,625	5,297	5,287	1,115	4,209	5,154	6,134	3,295	141	18,933	54,192
Ualapue 554	0	11	0	3	0	0	2,991	872	33	50	3,159	6,573	10,687	13,694
Kualapuu	19,122	17,861	19,260	17,038	18,008	17,647	14,130	16,222	14,703	15,633	16,291	16,886	79,736	202,801
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	1,023	911	932	846	875	894	700	797	827	829	896	913	853	870

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 5/31/17	% Sustainable Yield	
Wailuku	Waikapu	3						
	Iao	20						
			Mokuhau 1	5330-09	533,767,000	1,462,375	7.31%	
			Mokuhau 2	5330-10	0	0	0.00%	
			Mokuhau 3	5330-11	894,823,000	2,451,570	12.26%	
			Waihee 1	5431-02	1,123,494,000	3,078,066	15.39%	
			Waihee 2	5431-03	701,017,000	1,920,595	9.60%	
			Waihee 3	5431-04	4,222,000	11,567	0.06%	
			Waiehu Heights 1	5430-01	0	0	0.00%	
			Waiehu Heights 2	5430-02	369,202,000	1,011,512	5.06%	
			Wailuku Shaft 33	5330-05	355,245,000	973,274	4.87%	
			Kepaniwai	5332-05	261,868,000	717,447	3.59%	
			Iao Tank Site Well	5230-02	551,879,000	1,511,997	7.56%	
			Waikapu Well	5131-01	387,504,000	1,061,655	5.31%	
			Wailuku 1	5230-04	368,286,000	1,009,003	5.05%	
			Wailuku 2	5230-05	18,508,000	50,707	0.25%	
		Iao Subtotal				15,259,767	76.30%	
		Waihee	8					
				North Waihee # 1	5631-02	469,613,000	1,286,611	16.08%
				North Waihee # 2	5631-03	336,949,000	923,148	11.54%
				Kanoa 1	5731-02	362,527,000	993,225	12.42%
				Kanoa 2	5731-04	388,100,000	1,063,288	13.29%
				Kupaa	5731-03	481,844,000	1,320,121	16.50%
	Waihee Subtotal				5,586,392	69.83%		
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
			Maui Lani #5	5229-04	68,942,000	188,882	18.89%	
			Maui Lani #6	5229-05	135,660,000	371,671	37.17%	
			Maui Lani #7	5229-06	194,897,000	533,964	53.40%	
		Kahului Subtotal				1,094,518	109.45%	
		Kamaole	11					
		Pala	7					
			Hamakuapoko 1	5420-02	3,065,000	8,397	0.12%	
			Hamakuapoko 2	5320-01	3,188,000	8,734	0.12%	
		Pala Subtotal				17,132	0.24%	
	Makawao	7						
		Pookela	5118-02	95,460,000	261,534	3.74%		
	Makawao Subtotal				261,534	3.74%		
Koolau	Haiku	27						
			Kaupakalua	5317-01	191,078,000	523,501	1.94%	
			Haiku	5419-01	77,254,000	211,655	0.78%	
		Haiku Subtotal				0	2.72%	
		Honopou	25					
		Waiakamoi	40					
		Keanae	83					
			Keanae 1	5108-01	7,240,000	19,836	0.02%	
			Keanae2	5108-02	6,767,000	18,540	0.02%	
		Keanae Subtotal				38,375	0.05%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 5/31/17	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48	Hamoia 1	4300-02	16,792,000	46,005	0.10%
		Hamoia 2	4300-03	59,681,000	163,510	0.34%	
		Wakiu B	4600-03	44,227,000	121,170	0.25%	
		Wakiu C	4600-04	33,003,000	90,419	0.19%	
Kawaipapa Subtotal					421,104	0.88%	
Waihoi	18						
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8	Napili A	5838-01	75,614,000	207,162	2.59%
		Napili B	5838-02	118,084,000	323,518	4.04%	
		Napili C	5838-04	482,914,000	1,323,052	16.54%	
		Honokahua A	5838-03	0	0	0.00%	
		Honokahua B	5938-01	1,129,000	3,093	0.04%	
	Honolua Subtotal					1,856,825	23.21%
Honokowai	6						
Launipoko	7	Kanaha 1	5339-03	5,687,000	15,581	0.22%	
	Kanaha 2	5339-04	8,374,000	22,942	0.33%		
	Waipuka 1	5339-01	7,534,000	20,641	0.29%		
	Waipuka 2	5339-02	10,214,000	27,984	0.40%		
	Launipoko Subtotal					87,148	1.24%
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 5/31/17	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	202,801,000	555,619	11.11%	11.11%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						555,619	11.11%	11.11%
Southeast	Kamiloia	3	3						
	Kawela	5	5	Kawela	0457-01	46,920,000	128,548	2.57%	2.57%
							128,548	2.57%	2.57%
	Kawela Subtotal								
	Ualapue	8	8	Ualapue	0449-01	67,886,000	185,989	2.32%	2.32%
	Ualapue Subtotal						185,989	2.32%	2.32%
	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						

