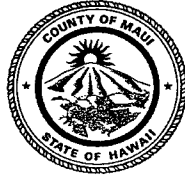


ALAN M. ARAKAWA
Mayor



DAVID TAYLOR, P.E.
Director

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GLADYS C. BAISA
Deputy Director

2017 APR -5 AM 9: 40

OFFICE OF THE MAYOR

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

April 5, 2017

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

RECEIVED
2017 APR -6 PM 2: 32
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

Alan Arakawa 4/5/17

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 March 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,

Gladys Baissa for
DAVID TAYLOR
Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 17-172

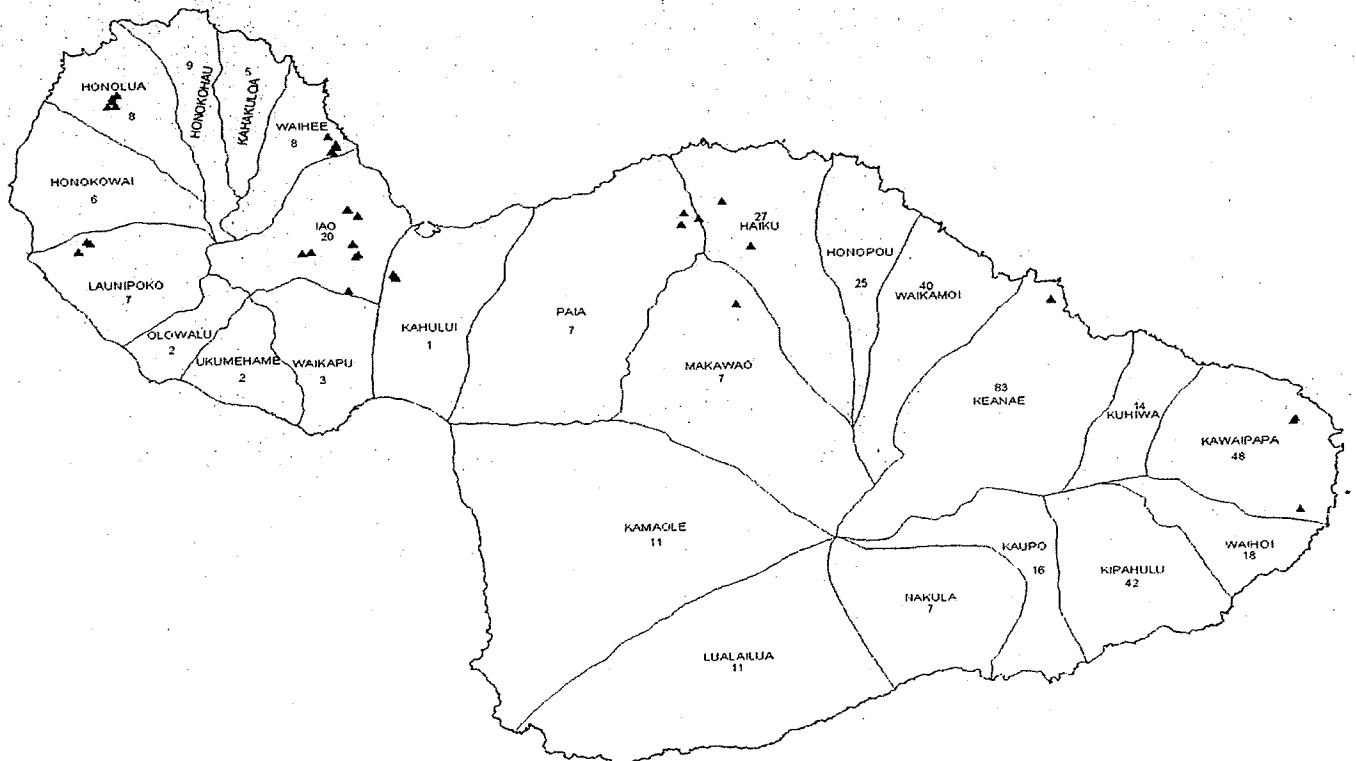
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	25,245	66,390	76,619	63,337	65,726	47,127	40,435	25,356	18,783	29,858	21,351	38,938	90,148	519,165
Mokuhau 503	46,255	6,712	517	18,766	38,531	99,511	112,980	106,117	99,351	102,451	91,707	75,445	269,603	798,341
Walhee 577	44,834	77,154	89,771	100,246	104,219	100,047	111,706	107,713	89,566	94,371	75,460	80,080	249,911	1,075,166
Walhee 578	42,946	35,157	36,080	48,219	51,665	55,682	71,078	69,296	32,152	58,482	67,773	66,566	192,821	635,094
Walhee 579	81,752	0	0	74	0	0	0	0	0	0	0	0	0	81,826
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walehu Hts 515	29,471	31,196	29,984	31,931	32,564	31,523	32,099	30,453	27,128	29,438	26,520	30,396	86,354	362,701
Walluku Shaft 33	140,346	144,601	140,090	143,666	71,489	0	0	0	0	0	0	0	0	640,192
lao	20,552	12,720	25,655	31,683	33,058	44,820	57,596	60,431	62,496	59,248	25,402	51,873	136,523	485,534
Waikapu	32,294	32,732	32,582	33,870	35,810	33,000	34,457	35,315	28,511	32,400	26,210	28,222	86,832	385,399
Walluku 1	0	0	336	7,632	48,082	8,049	63,869	61,424	38,755	35,904	44,224	10,714	90,842	318,989
Walluku 2	0	0	0	0	0	7,931	842	0	0	0	0	362	362	9,135
DAILY AVERAGE	15,456	13,118	14,388	15,465	15,521	14,256	16,937	16,537	12,798	14,263	13,523	12,342	13,371	14,552
Kepaniwai 511	21,597	22,272	21,600	22,279	22,233	21,143	22,319	21,526	22,320	22,303	20,133	22,318	84,754	282,041
lao Tunnel	47,556	49,158	47,420	49,779	49,704	20,534	0	0	0	0	24,978	37,774	62,752	326,903
DAILY AVERAGE	2,305	2,304	2,301	2,324	2,321	1,389	720	718	720	719	1,611	1,938	1,417	1,614
N. Walhee #1	30,533	44,634	42,561	32,234	38,266	38,951	45,421	41,822	32,568	37,501	36,219	42,349	116,069	463,058
N. Walhee #2	16,815	0	0	21,428	44,778	44,680	46,767	45,114	34,254	24,646	21,029	18,002	63,677	317,513
Kanoa #1	23,746	47,031	45,129	24,006	30,779	34,613	31,379	26,043	21,391	7,315	31,135	34,954	73,404	357,520
Kanoa #2	22,744	52,015	49,360	30,960	7,043	0	0	0	12,969	59,029	53,187	59,355	171,571	346,662
Kupaa	12,364	27,508	35,758	41,863	45,554	42,024	47,192	46,369	48,692	43,996	29,254	33,068	106,319	453,645
DAILY AVERAGE	3,540	5,522	5,760	4,855	5,368	5,342	5,508	5,312	4,835	5,564	6,101	6,056	5,900	5,311
Maul Lani #5	5,573	5,813	5,666	5,694	5,781	6,176	5,819	5,779	5,891	5,671	5,201	5,680	16,552	68,745
Maul Lani #6	11,176	11,599	11,120	11,274	11,578	11,446	11,582	11,283	11,549	11,599	10,391	11,526	33,516	136,124
Maul Lani #7	16,173	16,717	16,209	16,363	16,617	16,491	16,605	16,185	16,737	16,761	13,716	16,236	46,713	194,808
DAILY AVERAGE	1,097	1,101	1,100	1,075	1,096	1,137	1,097	1,108	1,102	1,098	1,047	1,079	1,075	1,095
<i>UpCountry</i>														
Hauku	5,647	5,853	6,153	6,368	6,368	5,528	6,411	5,979	5,876	6,576	6,125	7,332	20,033	74,215
H' Poko #1	62	0	0	2	0	0	0	0	0	15	0	666	681	745
H' Poko #2	347	0	0	0	0	0	0	0	0	8	0	772	780	1,126
Kaupakalua	16,408	18,256	17,501	17,452	16,808	15,558	15,855	14,831	15,470	16,189	13,871	15,946	46,006	194,145
Pookela	2,246	40	573	6,260	180	302	63	270	999	601	23,100	39,752	63,454	74,387
DAILY AVERAGE	824	779	808	970	763	713	720	703	721	754	1,539	2,080	1,455	944
<i>Lahaina</i>														
Kanaha 575	323	227	529	1,175	480	1,792	225	220	209	305	105	109	519	5,699
Kanaha 576	671	779	1,236	2,187	911	1,867	372	252	195	328	72	126	526	8,995
Waipuka 559	1,088	1,118	2,106	3,621	1,627	180	0	0	0	0	0	0	0	9,740
Waipuka 560	746	864	1,372	2,466	1,015	2,219	600	350	217	190	197	260	648	10,498
Napili A 569	5,259	13,172	13,946	17,387	10,405	1,989	3,147	4,001	6,028	3,016	2,097	3,693	8,806	84,141
Napili B 570	8,877	737	1,648	1,547	7,723	11,833	13,322	8,692	10,778	10,642	9,154	11,111	30,908	96,065
Napili C 571	39,590	40,505	40,344	42,949	42,022	41,702	41,294	38,714	28,605	40,991	38,910	42,744	122,645	478,370
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	776	38	156	10	10	10	0	17	0	0	789	135	924	1,942
DAILY AVERAGE	1,911	1,853	2,045	2,301	2,071	2,053	1,902	1,742	1,485	1,789	1,833	1,877	1,833	1,905
<i>Hana</i>														
Hamoia 597	1,431	861	4,008	1,678	793	1,058	1,516	397	2	1,207	754	2,177	4,138	15,881
Hamoia #2	5,616	7,153	3,467	6,661	7,981	6,337	5,811	6,666	6,821	4,127	3,476	2,336	9,939	66,451
Keanae #1	1,084	1,328	1,471	1,296	0	0	757	14	0	0	530	1,036	1,566	7,518
Keanae #2	1	0	0	265	1,223	1,223	519	943	994	1,032	462	2	1,495	6,664
Waku 550 B	6,753	7,134	7,245	7,454	7,073	7,129	7,763	7,449	0	0	0	32	32	58,031
Waku C	0	0	0	0	0	0	0	0	0	7,555	5,557	6,699	19,811	19,811
DAILY AVERAGE	496	531	540	560	551	525	528	516	252	449	385	396	411	478
<i>Molokai</i>														
Kawela 551	3,805	78	3,321	4,269	4,249	3,588	3	3	7	6	11	7	24	19,345
Kawela 552	7	3,984	795	4	3	140	3,814	3,877	3,454	3,402	3,252	3,878	10,532	26,611
Ualapue 553	3	4,987	7,461	6,093	5,381	4,625	5,297	5,287	1,115	4,209	5,154	6,134	15,497	55,746
Ualapue 554	7,230	2,265	0	11	0	3	0	0	2,991	872	33	50	955	13,457
Kualapu	17,273	19,258	19,122	17,861	19,260	17,038	18,008	17,647	14,130	16,222	14,703	15,633	48,559	206,154
Walkalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	944	986	1,023	911	932	846	875	894	700	797	827	829	817	880

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 3/31/17	% Sustainable Yield	
Wailuku	Waikapu	3						
		lao	20					
				Mokuhau 1	5330-09	519,165,000	1,422,370	7.11%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	798,341,000	2,187,236	10.94%
				Waihee 1	5431-02	1,075,166,000	2,945,660	14.73%
				Waihee 2	5431-03	635,094,000	1,739,984	8.70%
				Waihee 3	5431-04	81,826,000	224,181	1.12%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	362,701,000	993,701	4.97%
				Wailuku Shaft 33	5330-05	640,192,000	1,753,951	8.77%
				Kepaniwai	5332-05	262,041,000	717,921	3.59%
				lao Tank Site Well	5230-02	485,534,000	1,330,230	6.65%
				Waikapu Well	5131-01	385,399,000	1,055,888	5.28%
				Wailuku 1	5230-04	318,989,000	873,942	4.37%
				Wailuku 2	5230-05	9,135,000	25,027	0.13%
		lao Subtotal					15,270,090	76.35%
		Waihee	8					
			North Waihee # 1	5631-02	463,058,000	1,268,652	15.86%	
			North Waihee # 2	5631-03	317,513,000	869,899	10.87%	
			Kanoa 1	5731-02	357,520,000	979,507	12.24%	
			Kanoa 2	5731-04	346,662,000	949,759	11.87%	
			Kupaa	5731-03	453,645,000	1,242,863	15.54%	
	Waihee Subtotal					5,310,679	66.38%	
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
			Maui Lani #5	5229-04	68,745,000	188,342	18.83%	
			Maui Lani #6	5229-05	136,124,000	372,942	37.29%	
			Maui Lani #7	5229-06	194,808,000	533,721	53.37%	
		Kahului Subtotal					1,095,005	109.50%
		Kamaole	11					
	Paia	7						
			Hamakuapoko 1	5420-02	745,000	2,041	0.03%	
			Hamakuapoko 2	5320-01	1,126,000	3,085	0.04%	
	Paia Subtotal					5,126	0.07%	
	Makawao	7						
			Pookela	5118-02	74,387,000	203,800	2.91%	
	Makawao Subtotal					203,800	2.91%	
Koolau	Haiku	27						
			Kaupakalua	5317-01	194,145,000	531,904	1.97%	
			Haiku	5419-01	74,215,000	203,329	0.75%	
		Haiku Subtotal				0	735,233	2.72%
	Honopou	25						
	Waiakamoi	40						
				5108-01				
	Keanae	83						
				5108-02				
			Keanae 1		7,518,000	20,597	0.02%	
			Keanae2		6,664,000	18,258	0.02%	
	Keanae Subtotal					38,855	0.05%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 3/31/17	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48	Hamoia 1	4300-02	15,881,000	43,510	0.09%
			Hamoia 2	4300-03	66,451,000	182,058	0.38%
			Wakiu B	4600-03	58,031,000	158,989	0.33%
			Wakiu C	4600-04	19,811,000	54,277	0.11%
Kawaipapa Subtotal					438,833	0.91%	
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8	Napili A	5838-01	84,141,000	230,523	2.88%
			Napili B	5838-02	96,065,000	263,192	3.29%
			Napili C	5838-04	478,370,000	1,310,603	16.38%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	1,942,000	5,321	0.07%
	Honolua Subtotal					1,809,638	22.62%
	Honokowai	6					
	Launiupoko	7	Kanaha 1	5339-03	5,699,000	15,614	0.22%
			Kanaha 2	5339-04	8,995,000	24,644	0.35%
			Waipuka 1	5339-01	9,740,000	26,685	0.38%
Waipuka 2			5339-02	10,498,000	28,762	0.41%	
Launiupoko Subtotal					95,704	1.37%	
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 3/31/17	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	206,154,000	564,805	11.30%	11.30%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
Kualapuu Subtotal						564,805	11.30%	11.30%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	45,956,000	125,907	2.52%	2.52%
				Kawela Subtotal				125,907	2.52%
	Ualapue	8	8						
	Ualapue Subtotal			Ualapue	0449-01	69,203,000	189,597	2.37%	2.37%
189,597							2.37%	2.37%	
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						

