

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
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WAILUKU, MAUI, HAWAII 96793-2155
www.mauiwater.org

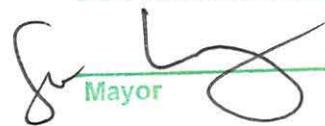
August 7, 2017

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

RECEIVED
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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
8/15/17
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 July 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. 17-329

"By Water All Things Find Life"

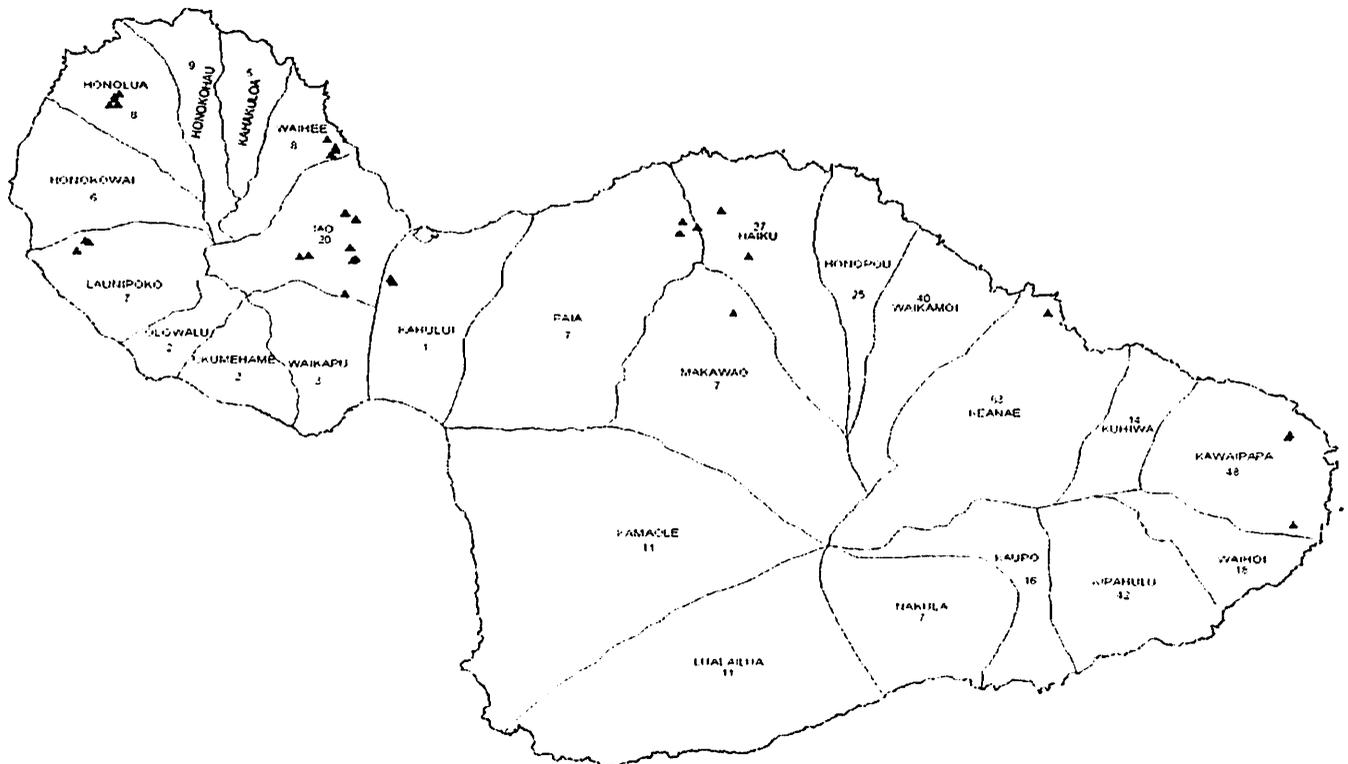
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	65,726	47,127	40,435	25,356	18,783	29,858	21,351	38,938	46,566	59,671	67,872	64,352	328,609	526,036
Mokuhau 503	38,531	99,511	112,980	106,117	99,351	102,451	91,707	75,445	78,049	71,400	79,363	85,991	584,405	1,040,895
Waihee 577	104,219	100,047	111,706	107,713	89,566	94,371	75,460	80,080	91,171	79,145	86,279	108,618	615,124	1,128,375
Waihee 578	51,665	55,682	71,078	69,296	32,152	58,482	67,773	66,566	80,320	63,707	29,336	0	366,182	646,054
Waihee 579	0	0	0	0	0	0	0	0	0	4,148	55,256	92,866	152,270	152,270
Waihu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waihu Hts 515	32,564	31,523	32,099	30,453	27,128	29,438	26,520	30,396	32,810	34,359	35,851	37,953	227,326	381,091
Wailuku Shaft 33	71,489	0	0	0	0	0	0	0	0	0	0	0	0	71,489
Iao	33,058	44,820	57,596	60,431	62,496	59,248	25,402	51,873	59,816	39,801	18,721	10,303	265,163	523,564
Waikapu	35,810	33,000	34,457	35,315	28,511	32,400	26,210	28,222	32,720	34,410	31,220	37,050	222,231	389,322
Wailuku 1	48,082	8,049	63,869	61,424	38,755	35,904	44,224	10,714	19,114	30,183	50,163	22,469	212,771	432,950
Wailuku 2	0	7,931	842	0	0	0	0	362	140	9,233	16,781	64,423	90,938	99,711
DAILY AVERAGE	15,521	14,256	16,937	16,537	12,798	14,263	13,523	12,342	14,690	13,744	15,695	16,904	14,458	14,772
Kepaniwai 511	22,233	21,143	22,319	21,526	22,320	22,303	20,133	22,318	21,580	22,116	21,600	22,143	152,192	261,732
Iao Tunnel	49,704	20,534	0	0	0	0	24,978	37,774	36,397	33,394	32,880	34,346	199,769	270,006
DAILY AVERAGE	2,321	1,389	720	718	720	719	1,611	1,938	1,933	1,791	1,816	1,822	1,660	1,457
N. Waihee #1	38,266	38,951	45,421	41,822	32,568	37,501	36,219	42,349	41,198	40,523	27,411	26,771	251,972	448,999
N. Waihee #2	44,778	44,680	46,767	45,114	34,254	24,646	21,029	18,002	13,768	22,483	19,438	19,961	139,325	354,919
Kanoa #1	30,779	34,613	31,379	26,043	21,391	7,315	31,135	34,954	43,353	32,431	24,200	19,900	193,288	337,492
Kanoa #2	7,043	0	0	0	12,969	59,029	53,187	59,355	57,569	58,628	37,094	47,004	371,867	391,878
Kupaa	45,554	42,024	47,192	46,369	48,692	43,996	29,254	33,068	33,321	34,751	46,405	48,280	269,076	498,908
DAILY AVERAGE	5,368	5,342	5,508	5,312	4,835	5,564	6,101	6,056	6,307	6,091	5,152	5,223	5,781	5,568
Maui Lani #5	5,781	6,176	5,819	5,779	5,891	5,671	5,201	5,680	5,755	5,829	5,761	5,974	39,870	69,316
Maui Lani #6	11,578	11,446	11,582	11,283	11,549	11,599	10,391	11,526	11,009	11,303	11,009	11,336	78,172	135,611
Maui Lani #7	16,617	16,491	16,605	16,185	16,737	16,761	13,716	16,236	16,232	16,747	16,237	16,746	112,674	195,308
DAILY AVERAGE	1,098	1,137	1,097	1,108	1,102	1,098	1,047	1,079	1,100	1,093	1,100	1,099	1,088	1,097
<i>UpCountry</i>														
Halku	6,368	5,528	6,411	5,979	5,876	6,576	6,125	7,332	7,040	7,498	8,301	8,494	51,366	81,528
H' Poko #1	0	0	0	0	0	15	0	666	2,382	0	83	589	3,736	3,736
H' Poko #2	0	0	0	0	0	8	0	772	2,408	1	83	576	3,847	3,847
Kaupakalua	16,808	15,558	15,855	14,831	15,470	16,189	13,871	15,946	15,239	16,357	15,931	16,609	110,142	188,666
Pookela	180	302	63	270	999	601	23,100	39,752	22,597	762	127	5,090	92,029	93,844
DAILY AVERAGE	753	713	720	703	721	754	1,539	2,080	1,656	794	818	1,012	1,232	1,018
<i>Lahaina</i>														
Kanaha 575	480	1,792	225	220	209	305	105	109	30	509	1,199	2,120	4,376	7,301
Kanaha 576	911	1,867	372	252	195	328	72	126	81	748	1,710	1,507	4,571	8,168
Waipuka 559	1,627	180	0	0	0	0	0	0	0	0	0	0	0	1,807
Waipuka 560	1,015	2,219	600	350	217	190	197	260	220	1,107	2,833	4,608	9,415	13,816
Napili A 569	10,405	1,989	3,147	4,001	6,028	3,016	2,097	3,693	3,423	6,482	6,698	11,739	37,147	62,718
Napili B 570	7,723	11,833	13,322	8,692	10,778	10,642	9,154	11,111	18,166	13,468	18,647	21,406	102,594	154,941
Napili C 571	42,022	41,702	41,294	38,714	28,605	40,991	38,910	42,744	41,853	42,786	41,024	38,796	287,103	479,441
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	10	10	0	17	0	0	789	135	0	0	24	48	997	1,035
DAILY AVERAGE	2,071	2,053	1,902	1,742	1,485	1,789	1,833	1,877	2,126	2,100	2,404	2,588	2,105	1,998
<i>Hana</i>														
Hamoia 597	793	1,058	1,516	397	2	1,207	754	2,177	2,749	454	1,029	2,103	10,473	14,239
Hamoia #2	7,981	6,337	5,811	6,666	6,821	4,127	3,476	2,336	1,613	4,386	3,380	1,283	20,600	54,215
Keanae #1	0	0	757	14	0	0	530	1,036	1,076	1,058	794	338	4,833	5,605
Keanae #2	1,223	1,223	519	943	994	1,032	462	2	1	103	430	649	2,678	7,580
Wakiu 550 B	7,073	7,129	7,763	7,449	0	0	0	32	11	72	744	2,625	3,484	32,899
Wakiu C	0	0	0	0	0	7,555	5,557	6,699	6,119	7,073	6,057	3,429	42,489	42,489
DAILY AVERAGE	551	525	528	516	252	449	385	396	386	424	414	336	399	430
<i>Molokai</i>														
Kawela 551	4,249	3,588	3	3	7	6	11	7	9	7	0	5	44	7,893
Kawela 552	3	140	3,814	3,877	3,454	3,402	3,252	3,878	4,115	4,707	4,881	4,329	28,565	39,853
Ualapue 553	5,381	4,625	5,297	5,287	1,115	4,209	5,154	6,134	3,295	141	3,863	3,284	26,080	47,785
Ualapue 554	0	3	0	0	2,991	872	33	50	3,159	6,573	3,521	3,556	17,764	20,760
Kualapuu	19,260	17,038	18,008	17,647	14,130	16,222	14,703	15,633	16,291	16,886	18,698	19,744	118,379	204,461
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	932	846	875	894	700	797	827	829	896	913	1,039	997	900	879

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 7/31/17	% Sustainable Yield	
Wailuku	Waikapu	3						
	Iao	20						
				Mokuhau 1	5330-09	526,036,000	1,441,195	7.21%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	1,040,895,000	2,851,767	14.26%
				Waihee 1	5431-02	1,128,375,000	3,091,438	15.46%
				Waihee 2	5431-03	646,054,000	1,770,011	8.85%
				Waihee 3	5431-04	152,270,000	417,178	2.09%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	381,091,000	1,044,085	5.22%
				Wailuku Shaft 33	5330-05	71,489,000	195,860	0.98%
				Kepaniwai	5332-05	261,732,000	717,074	3.59%
				Iao Tank Site Well	5230-02	523,564,000	1,434,422	7.17%
				Waikapu Well	5131-01	389,322,000	1,066,636	5.33%
				Wailuku 1	5230-04	432,950,000	1,186,164	5.93%
				Wailuku 2	5230-05	99,711,000	273,181	1.37%
		Iao Subtotal					15,489,011	77.45%
		Waihee	8					
				North Waihee # 1	5631-02	448,999,000	1,230,134	15.38%
				North Waihee # 2	5631-03	354,919,000	972,381	12.15%
				Kanoa 1	5731-02	337,492,000	924,636	11.56%
				Kanoa 2	5731-04	391,878,000	1,073,638	13.42%
				Kupaa	5731-03	498,908,000	1,366,871	17.09%
		Waihee Subtotal					5,567,660	69.60%
		Kahakuloa	5					
		Honokohau	9					
	Central	Kahului	1					
			Maui Lani #5	5229-04	69,316,000	189,907	18.99%	
			Maui Lani #6	5229-05	135,611,000	371,537	37.15%	
			Maui Lani #7	5229-06	195,308,000	535,090	53.51%	
		Kahului Subtotal				1,096,534	109.65%	
		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%
		Paia Subtotal				20,775	0.30%	
	Makawao	7						
			Pookela	5118-02	93,844,000	257,107	3.67%	
	Makawao Subtotal				257,107	3.67%		
Koolau	Haiku	27						
			Kaupakalua	5317-01	188,666,000	516,893	1.91%	
			Haiku	5419-01	81,528,000	223,364	0.83%	
		Haiku Subtotal			0	740,258	2.74%	
		Honopou	25					
		Waiakamoi	40					
		Keanae	83					
				Keanae 1	5108-01	5,605,000	15,356	0.02%
				Keanae2	5108-02	7,580,000	20,767	0.03%
		Keanae Subtotal				36,123	0.04%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 7/31/17	% Sustainable Yield
Hana	Kuhlwa	14					
	Kawaipapa	48					
			Hamoia 1	4300-02	14,239,000	39,011	0.08%
			Hamoia 2	4300-03	54,215,000	148,534	0.31%
			Wakiu B	4600-03	32,899,000	90,134	0.19%
			Wakiu C	4600-04	42,489,000	116,408	0.24%
	Kawaipapa Subtotal					394,088	0.82%
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Luaiailua	11					
Lahaina	Honolua	8					
			Napili A	5838-01	62,718,000	171,830	2.15%
			Napili B	5838-02	154,941,000	424,496	5.31%
			Napili C	5838-04	479,441,000	1,313,537	16.42%
			Honokahua A	5838-03	0	0	0.00%
		Honokahua B	5938-01	1,035,000	2,836	0.04%	
	Honolua Subtotal					1,912,699	23.91%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	7,301,000	20,003	0.29%
			Kanaha 2	5339-04	8,168,000	22,378	0.32%
			Waipuka 1	5339-01	1,807,000	4,951	0.07%
			Waipuka 2	5339-02	13,816,000	37,852	0.54%
	Launiupoko Subtotal					85,184	1.22%
	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 7/31/17	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	204,461,000	560,167	11.20%	11.20%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
Kualapuu Subtotal						560,167	11.20%	11.20%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	47,746,000	130,811	2.62%	2.62%
				Kawela Subtotal				130,811	2.62%
	Ualapue	8	8						
Ualapue Subtotal						68,545,000	187,795	2.35%	2.35%
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						

