

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

June 6, 2018

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

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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

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 2018.

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 C. BAISA
Deputy Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 18-244

"By Water All Things Find Life"

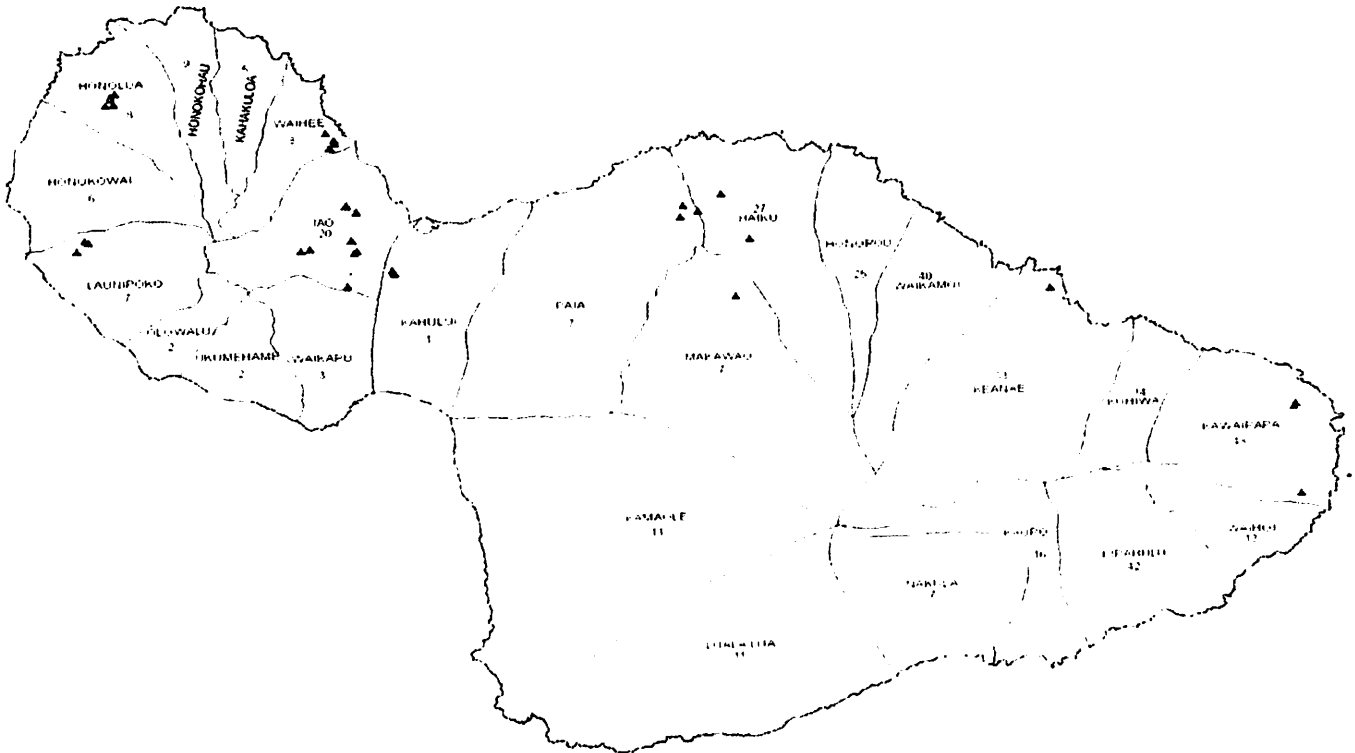
**County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)**

WELL NAME	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Current Year	Last 12 Months
Central														
Mokuhau 501	67,872	64,352	58,931	60,721	55,159	37,890	44,251	53,230	45,251	60,782	36,900	26,906	223,068	612,244
Mokuhau 503	79,363	85,991	86,953	83,794	78,217	72,727	72,668	81,409	63,676	62,807	42,302	42,601	292,795	852,508
Waihee 577	86,279	108,618	114,302	101,248	99,957	95,987	111,311	114,125	74,578	34,552	31,654	44,064	298,973	1,016,675
Waihee 578	29,336	0	0	618	0	97	683	60,126	64,838	40,028	27,232	45,752	237,976	268,710
Waihee 579	55,256	92,866	82,440	81,626	71,821	73,412	85,403	47,090	12,391	116,028	102,719	119,869	398,098	940,922
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 516	35,851	37,953	37,265	37,303	35,310	31,698	31,686	33,869	27,718	31,801	30,365	32,719	156,472	403,537
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lao	18,721	10,303	25,739	36,529	10,676	4,271	407	4,472	706	12,097	40,153	14,500	71,928	178,574
Walkapu	31,220	37,050	36,359	36,479	35,136	32,664	27,234	31,971	25,352	28,827	25,575	29,514	141,239	377,379
Wailuku 1	50,163	22,469	14,034	4,941	30,188	39,096	14,753	3,128	5,557	4,073	276	64,020	77,054	252,697
Wailuku 2	16,781	64,423	64,469	64,514	64,561	64,606	64,652	64,699	64,741	64,789	64,832	64,879	323,939	727,943
DAILY AVERAGE	15,696	16,904	16,790	16,926	15,517	15,082	14,614	15,939	13,743	14,703	13,400	15,639	14,712	15,428
Kepaniwai 511	21,600	22,143	22,316	21,600	22,076	21,596	22,320	22,152	20,095	22,320	21,595	22,320	108,482	262,132
lao Tunnel	32,880	34,346	33,669	33,535	34,667	32,842	43,262	45,781	41,535	47,987	46,648	47,809	229,760	474,960
DAILY AVERAGE	1,816	1,822	1,806	1,838	1,830	1,815	2,116	2,191	2,201	2,268	2,275	2,262	2,240	2,019
N. Waihee #1	27,411	26,771	25,334	18,308	19,177	23,194	22,270	21,639	19,614	21,198	22,278	23,474	108,204	270,669
N. Waihee #2	19,438	19,961	18,452	22,580	23,066	20,643	25,633	26,216	20,511	26,093	26,254	27,217	126,291	276,063
Kanoa #1	24,200	19,900	46,680	46,503	46,691	38,374	16,150	15,760	13,695	13,683	18,454	20,061	81,652	320,150
Kanoa #2	37,094	47,004	37,095	43,741	37,576	28,551	19,547	20,538	24,836	17,765	19,506	19,081	101,725	352,334
Kupaa	46,405	48,280	44,899	41,817	41,385	45,557	28,986	23,585	19,358	39,391	32,995	32,995	148,325	445,654
DAILY AVERAGE	6,152	5,223	6,563	6,765	5,416	5,211	3,632	3,475	3,500	3,811	3,983	3,962	3,760	4,561
Maui Lani #5	5,761	5,974	6,155	5,846	5,771	5,698	5,897	5,696	5,336	5,955	5,774	5,642	28,403	69,505
Maui Lani #6	11,009	11,336	11,327	11,001	10,957	11,009	11,216	11,337	10,237	11,376	10,956	11,364	55,269	133,124
Maui Lani #7	16,237	16,746	16,765	16,297	16,117	16,200	16,402	16,692	15,131	16,772	16,241	16,399	81,234	195,997
DAILY AVERAGE	1,100	1,099	1,105	1,105	1,060	1,097	1,081	1,088	1,097	1,100	1,099	1,078	1,092	1,092
UpCountry														
Haiuku	8,301	8,494	7,909	8,314	7,428	6,616	6,758	6,992	5,927	8,794	8,810	8,990	39,513	93,333
H' Poko #1	83	589	0	0	1,320	0	0	1,832	0	0	0	0	1,832	3,824
H' Poko #2	83	576	0	0	1,161	0	0	2,109	0	0	0	0	2,109	3,928
Kaupakalua	15,931	16,609	16,037	22,641	15,914	14,225	14,268	14,892	13,552	15,805	14,237	14,424	72,910	188,535
Pookela	127	5,090	310	6,260	262	104	99	85	335	172	42	42	722	12,973
DAILY AVERAGE	818	1,012	782	1,241	841	698	681	836	708	796	774	767	775	829
Lahaina														
Kanaha 575	1,199	2,120	3,722	6,049	4,900	2,102	583	261	340	323	1,037	1,130	3,090	23,765
Kanaha 576	1,710	1,507	3,088	4,251	2,727	942	466	73	233	119	757	142	1,324	16,016
Waipuka 559	0	0	0	0	0	0	0	0	22	47	2	0	71	71
Waipuka 560	2,833	4,608	6,398	8,599	6,628	3,140	690	400	428	577	1,184	1,241	3,830	36,725
Napili A 569	6,698	11,739	16,708	14,898	7,544	5,221	904	6,488	12,088	13,615	27,330	23,263	82,782	146,494
Napili B 570	18,647	21,406	22,508	22,382	23,208	22,496	16,934	23,114	20,999	25,796	3,958	0	73,867	221,448
Napili C 571	41,024	38,796	3,977	0	0	0	0	0	0	0	0	0	0	83,797
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	24	48	24,605	29,808	30,357	29,006	30,471	28,800	0	0	0	18,809	47,609	191,928
DAILY AVERAGE	2,404	2,588	2,613	2,866	2,431	2,097	1,614	1,908	1,218	1,306	1,142	1,438	1,408	1,973
Hana														
Hamoa 597	1,029	2,103	2,190	1,169	488	1,601	2,408	266	863	2,825	3,278	3,487	10,719	21,708
Hamoa #2	3,360	1,283	1,164	2,234	3,225	1,803	1,225	4,031	3,493	1,969	1,292	1,028	11,812	26,125
Keanae #1	794	338	329	253	1	494	640	100	1,056	740	21	753	2,669	5,517
Keanae #2	430	649	677	800	1,111	533	362	1,104	1	462	930	217	2,715	7,277
Waktu 550 B	744	2,625	1,606	2,240	1,760	1,575	2,330	2,105	1,413	818	49	2,493	4,988	17,869
Waktu C	6,057	3,429	3,050	1,834	2,306	1,820	1,118	3,664	1,837	3,140	5,101	1,488	15,230	34,844
DAILY AVERAGE	414	336	291	284	287	261	281	303	309	321	356	305	319	311
Molokai														
Kawela 551	0	5	3	3	4	9	8	3	0	2	0	0	5	36
Kawela 552	4,881	4,329	4,205	4,049	3,973	3,874	3,867	3,939	3,405	4,031	3,279	4,607	19,260	48,439
Ualapue 553	3,863	3,284	4,425	5,820	3,326	4,230	1,942	1,388	3,296	2,645	4,158	3,541	15,028	41,917
Ualapue 554	3,521	3,556	3,121	1,201	3,527	967	3,065	3,985	1,429	3,080	1,192	2,926	12,611	31,568
Kualapuu	18,898	19,744	19,856	19,138	17,879	15,562	13,064	15,794	11,882	15,603	14,796	16,366	74,440	198,582
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	1,039	997	1,020	1,007	926	821	708	810	715	818	781	885	804	878

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 5/31/18	% Sustainable Yield
Wailuku	Waikapu	3					
	lao	20				1,677,381	8.39%
			Mokuhau 1	5330-09	612,244,000	0	0.00%
			Mokuhau 2	5330-10	0	2,335,638	11.68%
			Mokuhau 3	5330-11	852,508,000	2,785,411	13.93%
			Waihee 1	5431-02	1,016,675,000	736,192	3.68%
			Waihee 2	5431-03	268,710,000	2,577,868	12.89%
			Waihee 3	5431-04	940,922,000	0	0.00%
			Waiehu Heights 1	5430-01	0	1,105,581	5.53%
			Waiehu Heights 2	5430-02	403,537,000	0	0.00%
			Wailuku Shaft 33	5330-05	0	718,170	3.59%
			Kepaniwai	5332-05	262,132,000	489,244	2.45%
			lao Tank Site Well	5230-02	178,574,000	1,033,915	5.17%
			Waikapu Well	5131-01	377,379,000	692,321	3.46%
			Wailuku 1	5230-04	252,697,000	1,994,364	9.97%
			Wailuku 2	5230-05	727,943,000	16,146,085	80.73%
	lao Subtotal						
	Waihee	8					
			North Waihee # 1	5631-02	270,669,000	741,559	9.27%
			North Waihee # 2	5631-03	276,083,000	877,123	10.96%
			Kanoa 1	5731-02	320,150,000	965,299	12.07%
			Kanoa 2	5731-04	352,334,000	1,220,970	15.26%
			Kupaa	5731-03	445,654,000	4,661,288	57.02%
	Waihee Subtotal						
	Kahakuloa	5					
Central	Kahului	1	Maui Lani #5	5229-04	69,505,000	190,425	19.04%
			Maui Lani #6	5229-05	133,124,000	364,723	36.47%
			Maui Lani #7	5229-06	195,997,000	536,978	53.70%
			Kahului Subtotal			1,092,126	109.21%
	Kamaole	11					
	Pala	7					
			Hamakuapoko 1	5420-02	3,824,000	10,477	0.15%
			Hamakuapoko 2	5320-01	3,928,000	10,762	0.15%
	Pala Subtotal					21,238	0.30%
	Makawao	7					
			Pookela	5118-02	12,973,000	35,542	0.51%
	Makawao Subtotal					35,542	0.51%
Koolau	Haiku	27	Kaupakalua	5317-01	188,535,000	516,534	1.91%
			Haiku	5419-01	93,333,000	255,707	0.95%
			Haiku Subtotal		0	772,241	2.86%
	Honopou	25					
	Waikamoi	40					
	Keanae	83					
			Keanae 1	5108-01	5,517,000	15,115	0.02%
			Keanae2	5108-02	7,277,000	19,937	0.02%
	Keanae Subtotal					35,052	0.04%
Hana	Kuhiwa	14					
	Kawaiipapa	48					
			Hamoia 1	4300-02	21,708,000	59,474	0.12%
			Hamoia 2	4300-03	26,125,000	71,575	0.15%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 5/31/18	% Sustainable Yield
			Wakiu B	4600-03	17,869,000	48,956	0.10%
			Wakiu C	4600-04	34,844,000	95,463	0.20%
	Kawaiapa Subtotal					275,468	0.57%
	Waihol	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	146,494,000	401,353	5.02%
			Napili B	5838-02	221,448,000	606,707	7.58%
			Napili C	5838-04	83,797,000	229,581	2.87%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	191,928,000	525,830	6.57%
	Honolua Subtotal					1,763,471	22.04%
	Honokowai	6					
	Launipoko	7					
			Kanaha 1	5339-03	23,765,000	65,110	0.93%
			Kanaha 2	5339-04	16,016,000	43,879	0.63%
			Waipuka 1	5339-01	71,000	195	0.00%
			Waipuka 2	5339-02	36,725,000	100,616	1.44%
	Launipoko Subtotal					209,800	3.00%
	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 6/31/18	Sustainable Yield - % DWS	% DY MWGR
West	Kaluakoi	2	2						
	Punakou	2	2						
Central	Hoolehua	2	2						
	Manawainui	2	2						
	Kualapuu	5	5	Kualapuu	0801-03	198,582,000	544,060	10.88%	10.88%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						544,060	10.88%	10.88%
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	48,475,000	132,808	2.66%	2.66%
							132,808	2.66%	2.66%
		Kawela Subtotal							
	Ualapue	8	8	Ualapue	0449-01	73,485,000	201,329	2.52%	2.52%
	Ualapue Subtotal						201,329	2.52%	2.52%
	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					

