

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

July 6, 2018

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

APPROVED FOR TRANSMITTAL

 7/10/18
Mayor Date

For Transmittal to:

Honorable Mike White, Chair
and Members of the Maui County Council
200 South High Street
Wailuku, Hawaii 96793

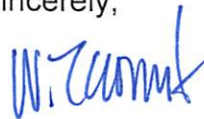
Dear Chair White and Members:

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 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,



WENDY TAOMOTO, P.E.
Acting Deputy Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 18-272

"By Water All Things Find Life"

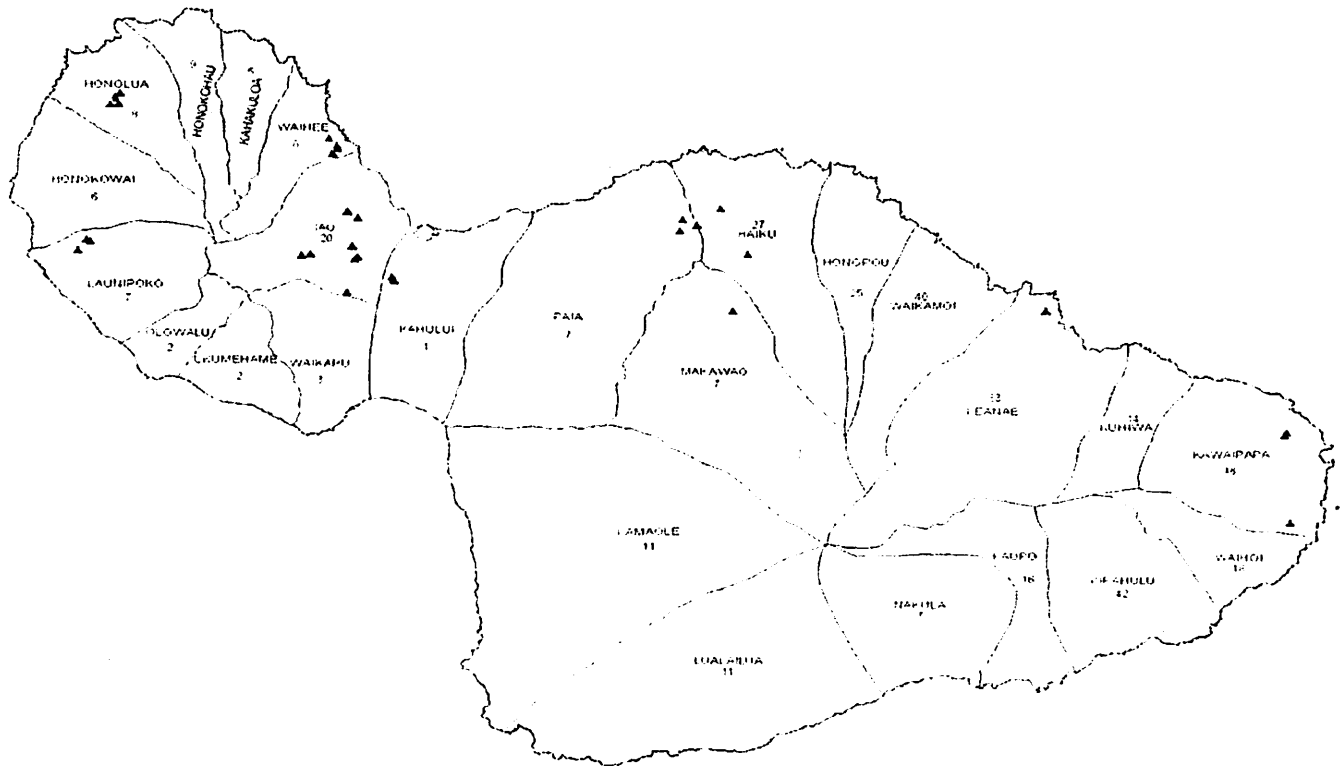
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Current Year	Last 12 Months
Central														
Mokuohau 501	64,352	58,931	60,721	55,159	37,890	44,251	53,230	45,251	60,782	36,900	26,906	10,529	223,068	554,901
Mokuohau 503	85,991	86,953	83,794	78,217	72,727	72,668	81,409	63,676	62,807	42,302	42,601	73,744	292,795	846,889
Waihee 577	108,818	114,302	101,248	99,957	95,987	111,311	114,125	74,578	34,552	31,654	44,064	48,583	298,973	978,979
Waihee 578	0	0	618	0	97	683	60,126	64,838	40,028	27,232	45,752	49,294	237,976	288,668
Waihee 579	92,866	82,440	81,626	71,821	73,412	85,403	47,090	12,391	116,028	102,719	119,869	115,425	398,098	1,001,091
Walehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walehu Hts 515	37,953	37,265	37,303	35,310	31,698	31,686	33,869	27,718	31,801	30,365	32,719	37,771	156,472	405,457
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	10,303	25,739	36,529	10,676	4,271	407	4,472	706	12,097	40,153	14,500	32,396	71,928	192,249
Wailuku	37,050	36,359	36,479	35,136	32,664	27,234	31,971	25,352	28,827	25,575	29,514	36,809	141,239	382,769
Wailuku 1	22,469	14,034	4,941	30,188	39,096	14,753	3,128	5,557	4,073	276	64,020	65,556	77,054	268,091
Wailuku 2	64,423	64,469	64,514	64,561	64,606	64,652	64,699	64,741	64,789	64,832	64,879	64,924	323,939	776,087
DAILY AVERAGE	16,904	16,790	16,926	15,517	15,082	14,614	15,939	13,743	14,703	13,400	15,639	17,828	12,274	15,603
Kepaniwai 511	22,143	22,316	21,600	22,076	21,596	22,320	22,152	20,095	22,320	21,595	22,320	21,454	108,482	261,986
Iao Tunnel	34,346	33,669	33,535	34,667	32,842	43,262	45,781	41,535	47,987	46,648	47,809	47,434	229,760	489,514
DAILY AVERAGE	1,822	1,808	1,838	1,830	1,815	2,116	2,191	2,201	2,268	2,275	2,262	2,296	1,869	2,059
N. Waihee #1	26,771	25,334	18,308	19,177	23,194	22,270	21,639	19,614	21,198	22,278	23,474	21,498	108,204	264,756
N. Waihee #2	19,961	18,452	22,580	23,066	20,643	25,633	26,216	20,511	26,093	26,254	27,217	26,484	126,291	283,109
Kanoa #1	19,900	46,680	46,503	46,691	38,374	16,150	13,695	13,683	18,454	20,061	17,853	81,652	313,803	313,803
Kanoa #2	47,004	37,095	43,741	37,576	28,551	19,547	20,538	24,836	17,765	19,506	19,081	19,374	101,725	334,614
Kupaa	48,280	44,899	41,817	41,395	45,557	28,986	23,585	19,358	39,391	32,995	32,995	40,073	148,325	439,322
DAILY AVERAGE	5,223	5,563	5,765	5,416	5,211	3,632	3,476	3,500	3,811	3,983	3,962	4,176	3,128	4,481
Maul Lani #5	5,974	6,155	5,846	5,771	5,698	5,897	5,696	5,336	5,955	5,774	5,642	5,724	28,403	69,468
Maul Lani #6	11,336	11,327	11,001	10,957	11,009	11,216	11,337	10,237	11,376	10,956	11,364	11,001	55,269	133,116
Maul Lani #7	16,746	16,765	16,297	16,117	16,200	16,402	16,692	15,131	16,772	16,241	16,399	16,201	81,234	195,962
DAILY AVERAGE	1,099	1,105	1,105	1,060	1,097	1,081	1,088	1,097	1,100	1,099	1,078	1,098	911	1,092
UpCountry														
Haiku	8,494	7,909	8,314	7,428	6,616	6,758	6,992	5,927	8,794	8,810	8,990	1,558	39,513	86,590
H' Poko #1	589	0	0	1,320	0	0	1,832	0	0	0	0	0	1,832	3,741
H' Poko #2	576	0	0	1,161	0	0	2,109	0	0	0	0	0	2,109	3,845
Kaupakalua	16,609	16,037	22,641	15,914	14,225	14,268	14,892	13,552	15,805	14,237	14,424	15,293	72,910	187,897
Pookela	5,090	310	6,260	262	104	99	85	335	89	172	42	167	722	13,013
DAILY AVERAGE	1,012	782	1,241	841	698	681	836	708	796	774	757	567	647	808
Lahaina														
Kanaha 575	2,120	3,722	6,049	4,900	2,102	583	261	340	323	1,037	1,130	3,818	3,090	26,384
Kanaha 576	1,507	3,088	4,251	2,727	942	466	73	233	119	757	142	2,071	1,324	16,377
Walpuka 559	0	0	0	0	0	0	0	22	47	2	0	3,799	71	3,870
Walpuka 560	4,608	6,398	8,599	6,628	3,140	690	400	428	577	1,184	1,241	3,288	3,830	37,180
Napili A 569	11,739	16,708	14,898	7,544	5,221	904	6,488	12,086	13,615	27,330	23,263	23,489	82,782	163,285
Napili B 570	21,406	22,508	22,382	23,208	22,496	16,934	23,114	20,999	25,796	3,958	0	0	73,867	202,801
Napili C 571	38,796	3,977	0	0	0	0	0	0	0	0	0	0	0	42,773
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	48	24,605	29,808	30,357	29,006	30,471	28,800	0	0	0	18,809	29,808	47,609	221,712
DAILY AVERAGE	2,588	2,613	2,866	2,431	2,097	1,614	1,908	1,218	1,306	1,142	1,438	2,209	1,174	1,957
Hana														
Hamo A 597	2,103	2,190	1,169	488	1,601	2,408	266	863	2,825	3,278	3,487	3,424	10,719	24,103
Hamo A #2	1,283	1,164	2,234	3,225	1,803	1,225	4,031	3,493	1,969	1,292	1,028	1,510	11,812	24,255
Koanae #1	338	329	253	1	494	640	100	1,056	740	21	753	617	2,669	5,340
Koanae #2	649	677	800	1,111	533	362	1,104	1	462	930	217	520	2,715	7,367
Waku 560 B	2,625	1,606	2,240	1,760	1,575	2,330	215	1,413	818	49	2,493	2,130	4,988	19,254
Waku C	3,429	3,050	1,834	2,306	1,820	1,118	3,664	1,837	3,140	5,101	1,488	2,955	15,230	31,742
DAILY AVERAGE	336	291	284	287	261	261	303	309	321	356	305	372	266	307
Molokai														
Kawela 551	5	3	3	4	9	8	3	0	2	0	0	1	5	37
Kawela 552	4,329	4,205	4,049	3,973	3,874	3,867	3,939	3,405	4,031	3,279	4,607	5,258	19,260	48,816
Ualapue 553	3,284	4,425	5,820	3,326	4,230	1,942	1,388	3,296	2,645	4,158	3,541	3,812	15,028	41,867
Ualapue 554	3,556	3,121	1,201	3,527	967	3,065	3,985	1,429	3,080	1,192	2,926	3,049	12,611	31,096
Kualapuu	19,744	19,856	19,138	17,879	15,562	13,064	15,794	11,882	15,603	14,796	16,366	18,473	74,440	198,157
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	997	1,020	1,007	926	821	708	810	715	818	781	885	1,020	670	877

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 6/30/18	% Sustainable Yield
Wailuku	Waikapu	3					
	Iao	20					
			Mokuhau 1	5330-09	554,901,000	1,520,277	7.60%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	846,889,000	2,320,244	11.60%
			Waihee 1	5431-02	978,979,000	2,682,134	13.41%
			Waihee 2	5431-03	288,668,000	790,871	3.95%
			Waihee 3	5431-04	1,001,091,000	2,742,715	13.71%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	405,457,000	1,110,841	5.55%
			Wailuku Shaft 33	5330-05	0	0	0.00%
			Kepaniwai	5332-05	261,986,000	717,770	3.59%
			Iao Tank Site Well	5230-02	192,249,000	526,710	2.63%
			Waikapu Well	5131-01	382,769,000	1,048,682	5.24%
			Wailuku 1	5230-04	268,091,000	734,496	3.67%
			Wailuku 2	5230-05	776,087,000	2,126,266	10.63%
	Iao Subtotal					16,321,005	81.61%
	Waihee	8					
			North Waihee # 1	5631-02	264,756,000	725,359	9.07%
			North Waihee # 2	5631-03	283,109,000	775,641	9.70%
Central			Kanoa 1	5731-02	313,803,000	859,734	10.75%
			Kanoa 2	5731-04	334,614,000	916,751	11.46%
			Kupaa	5731-03	439,322,000	1,203,622	15.05%
	Waihee Subtotal					4,481,107	56.01%
	Kahakuloa	5					
	Kahului	1					
			Maui Lani #5	5229-04	69,468,000	190,323	19.03%
			Maui Lani #6	5229-05	133,116,000	364,701	36.47%
			Maui Lani #7	5229-06	195,962,000	536,882	53.69%
	Kahului Subtotal					1,091,907	109.19%
	Kamaole	11					
	Paia	7					
			Hamakuapoko 1	5420-02	3,741,000	10,249	0.15%
			Hamakuapoko 2	5320-01	3,845,000	10,534	0.15%
	Paia Subtotal					20,784	0.30%
	Makawao	7					
			Pookela	5118-02	13,013,000	35,652	0.51%
	Makawao Subtotal					35,652	0.51%
Koolau	Haiku	27					
			Kaupakalua	5317-01	187,897,000	514,786	1.91%
			Haiku	5419-01	86,590,000	237,233	0.88%
	Haiku Subtotal				0	752,019	2.79%
	Honopou	25					
	Waikamoi	40					
	Keanae	83					
			Keanae 1	5108-01	5,340,000	14,630	0.02%
			Keanae 2	5108-02	7,367,000	20,184	0.02%
	Keanae Subtotal					34,814	0.04%
Hana	Kuhiwa	14					
	Kawaiipapa	48					
			Hamoia 1	4300-02	24,103,000	66,036	0.14%
			Hamoia 2	4300-03	24,255,000	66,452	0.14%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 6/30/18	% Sustainable Yield
			Waiuku B	4600-03	19,254,000	52,751	0.11%
			Waiuku C	4600-04	31,742,000	86,964	0.18%
	Kaiaipapa Subtotal					272,203	0.57%
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualaba	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	163,285,000	447,356	5.59%
			Napili B	5838-02	202,801,000	555,619	6.95%
			Napili C	5838-04	42,773,000	117,186	1.46%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	221,712,000	607,430	7.59%
	Honolua Subtotal					1,727,592	21.59%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	26,384,000	72,285	1.03%
			Kanaha 2	5339-04	16,377,000	44,868	0.64%
			Waipuka 1	5339-01	3,870,000	10,603	0.15%
			Waipuka 2	5339-02	37,180,000	101,863	1.46%
	Launiupoko Subtotal					229,619	3.28%
	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 6/30/18	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	198,157,000	542,896	10.86%	10.86%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						542,896	10.86%	10.86%
Southeast	Kamiloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	48,853,000	133,844	2.68%	2.68%
	Kawela Subtotal						133,844	2.68%	2.68%
	Ualapue	8	8						
				Ualapue	0449-01	72,963,000	199,899	2.50%	2.50%
	Ualapue Subtotal						199,899	2.50%	2.50%
	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						

