

ALAN M. ARAKAWA
Mayor



DAVID TAYLOR, P.E.
Director

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GLADYS C. BAISA
Deputy Director

2018 MAY -4 AM 10:18

OFFICE OF THE MAYOR

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

May 4, 2018

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

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2018 MAY -7 PM 2:47
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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
Al Arakawa 5/2/18
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 April 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. 18-207

"By Water All Things Find Life"

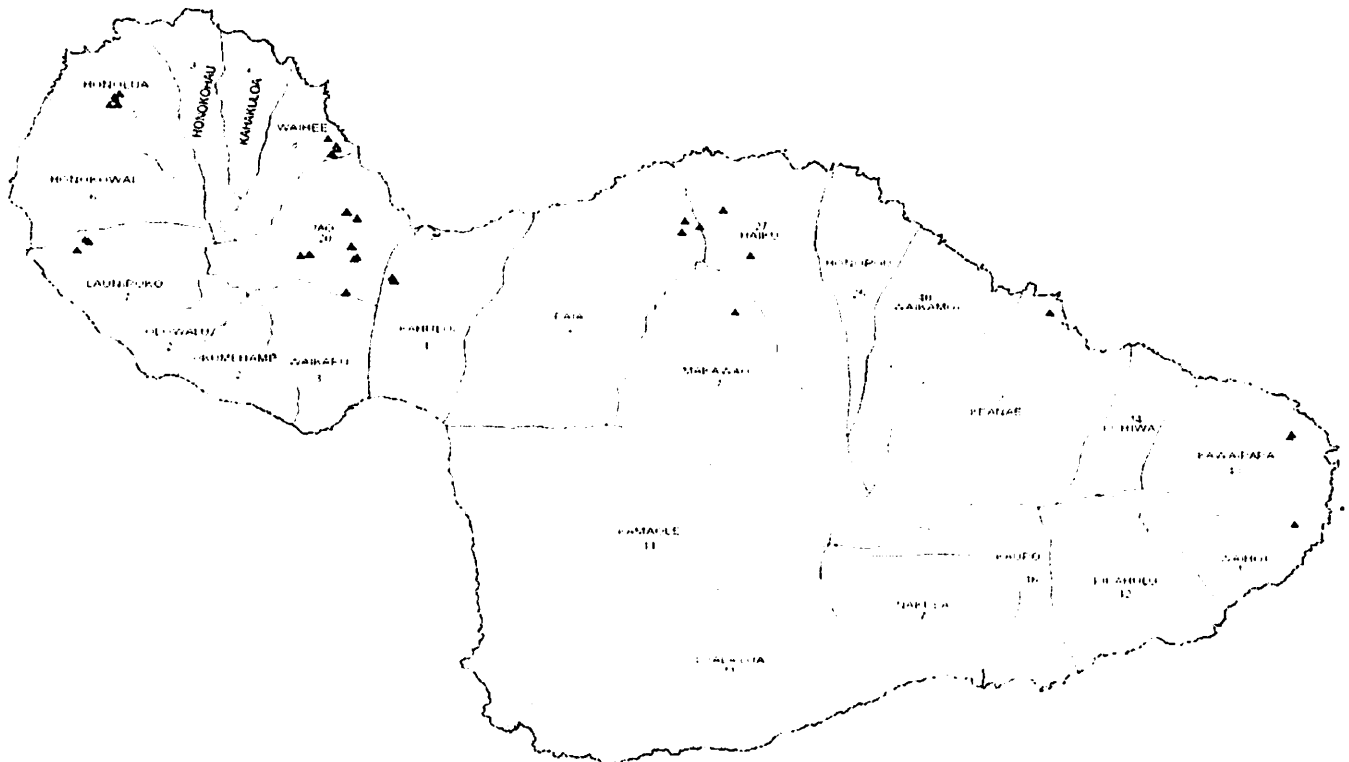
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	Current Year	Last 12 Months
Central														
Mokuhau 501	59,671	67,872	64,352	58,931	60,721	55,159	37,890	44,251	53,230	45,251	60,782	36,900	196,162	645,009
Mokuhau 503	71,400	79,363	85,991	86,953	83,794	78,217	72,727	72,668	81,409	63,676	62,807	42,302	250,194	881,307
Waihee 577	79,145	86,279	108,618	114,302	101,248	99,957	95,987	111,311	114,125	74,578	34,552	31,654	254,909	1,051,756
Waihee 578	63,707	29,336	0	0	618	0	97	683	60,126	64,838	40,028	27,232	192,224	286,664
Waihee 579	4,148	55,256	92,866	82,440	81,626	71,821	73,412	85,403	47,090	12,391	116,028	102,719	278,229	825,200
Walehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walehu Hts 515	34,359	35,851	37,953	37,265	37,303	35,310	31,698	31,686	33,869	27,718	31,801	30,365	123,753	405,177
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	39,801	18,721	10,303	25,739	36,529	10,676	4,271	407	4,472	706	12,097	40,153	57,428	203,875
Waikapu	34,410	31,220	30,305	36,359	36,479	35,136	32,664	27,234	31,971	25,352	28,827	25,575	111,725	382,275
Wailuku 1	30,183	50,163	22,469	14,034	4,941	30,188	39,096	14,753	3,128	5,557	4,073	276	13,034	218,860
Wailuku 2	9,233	16,781	64,423	64,469	64,514	64,561	64,606	64,652	64,699	64,741	64,789	64,832	259,060	672,297
DAILY AVERAGE	13,744	15,895	16,904	16,790	16,928	15,517	15,082	14,614	15,939	13,743	14,703	13,400	14,473	15,287
Kepaniwai 511	22,116	21,600	22,143	22,316	21,600	22,076	21,596	22,320	22,152	20,095	22,320	21,595	86,162	261,927
Iao Tunnel	33,394	32,880	34,346	33,669	33,535	34,667	32,842	43,262	45,781	41,535	47,987	46,648	181,951	460,545
DAILY AVERAGE	1,791	1,816	1,822	1,806	1,838	1,830	1,815	2,116	2,191	2,201	2,268	2,275	2,234	1,979
N. Waihee #1	40,523	27,411	26,771	25,334	18,308	19,177	23,194	22,270	21,639	19,614	21,198	22,278	84,730	287,718
N. Waihee #2	22,483	19,438	19,961	18,452	22,580	23,066	20,643	25,633	26,216	20,511	26,093	26,254	99,074	271,328
Kanoa #1	32,431	24,200	19,900	46,680	46,503	46,691	38,374	16,150	15,760	13,695	13,683	18,454	61,591	332,520
Kanoa #2	58,628	37,094	47,004	37,095	43,741	37,576	28,551	19,547	20,538	24,836	17,765	19,506	82,644	391,881
Kupaa	34,751	46,405	48,280	44,899	41,817	41,385	45,557	28,986	23,585	19,358	39,391	32,995	115,330	447,410
DAILY AVERAGE	6,091	5,152	5,223	5,563	5,785	5,416	5,211	3,632	3,475	3,500	3,811	3,983	3,895	4,742
Maui Lani #5	5,829	5,761	5,974	6,155	5,846	5,771	5,698	5,897	5,696	5,336	5,955	5,774	22,761	69,692
Maui Lani #6	11,303	11,009	11,336	11,327	11,001	10,957	11,009	11,216	11,337	10,237	11,376	10,956	43,905	133,063
Maui Lani #7	16,747	16,237	16,746	16,765	16,297	16,117	16,200	16,402	16,692	15,131	16,772	16,241	64,835	196,345
DAILY AVERAGE	1,093	1,100	1,099	1,105	1,105	1,060	1,097	1,081	1,088	1,097	1,100	1,099	1,096	1,093
UpCountry														
Haiku	7,498	8,301	8,494	7,909	8,314	7,428	6,616	6,758	6,992	5,927	8,794	8,810	30,523	91,841
H' Poko #1	0	83	589	0	0	1,320	0	0	1,832	0	0	0	1,832	3,824
H' Poko #2	1	83	576	0	0	1,161	0	0	2,109	0	0	0	2,109	3,929
Kaupakalua	16,357	15,931	16,609	16,037	22,641	15,914	14,225	14,268	14,892	13,552	15,805	14,237	58,486	190,468
Pookela	762	127	5,090	310	6,260	262	104	99	85	335	89	172	680	13,693
DAILY AVERAGE	794	818	1,012	782	1,241	841	688	681	836	708	796	774	780	832
Lahaina														
Kanaha 575	509	1,199	2,120	3,722	6,049	4,900	2,102	583	261	340	323	1,037	1,960	23,144
Kanaha 576	748	1,710	1,507	3,088	4,251	2,727	942	466	73	233	119	757	1,182	16,622
Waipuka 559	0	0	0	0	0	0	0	0	0	22	47	2	71	71
Waipuka 560	1,107	2,833	4,608	6,398	8,599	6,628	3,140	690	400	428	577	1,184	2,589	36,591
Napili A 569	6,482	6,698	11,739	16,708	14,898	7,544	5,221	904	6,488	12,086	13,615	27,330	59,519	129,712
Napili B 570	13,468	18,647	21,406	22,508	22,382	23,208	22,496	16,934	23,114	20,999	25,796	3,958	73,867	234,916
Napili C 571	42,786	41,024	38,796	3,977	0	0	0	0	0	0	0	0	0	126,583
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	0	24	48	24,605	29,808	30,357	29,006	30,471	28,800	0	0	0	28,800	173,119
DAILY AVERAGE	2,100	2,404	2,588	2,613	2,868	2,431	2,097	1,614	1,908	1,218	1,306	1,142	1,400	2,029
Hana														
Hamao 597	454	1,029	2,103	2,190	1,169	488	1,601	2,408	266	863	2,825	3,278	7,232	18,675
Hamao #2	4,386	3,380	1,283	1,164	2,234	3,225	1,803	1,225	4,031	3,493	1,969	1,292	10,784	29,483
Keanae #1	1,058	794	338	329	253	1	494	640	100	1,056	740	21	1,916	5,822
Keanae #2	103	430	649	677	800	1,111	533	362	1,104	1	462	930	2,498	7,163
Waklu 550 B	72	744	2,625	1,606	2,240	1,760	1,575	2,330	215	1,413	818	49	2,495	15,447
Waklu C	7,073	6,057	3,429	3,050	1,834	2,306	1,820	1,118	3,664	1,837	3,140	5,101	13,742	40,429
DAILY AVERAGE	424	414	336	291	284	287	261	261	303	309	321	356	322	321
Molokai														
Kawela 551	7	0	5	3	3	4	9	8	3	0	2	0	5	43
Kawela 552	4,707	4,881	4,329	4,205	4,049	3,973	3,874	3,867	3,939	3,405	4,031	3,279	14,653	48,539
Ualapue 553	141	3,863	3,284	4,425	5,820	3,326	4,230	1,942	1,388	3,296	2,645	4,158	11,487	38,518
Ualapue 554	6,573	3,521	3,556	3,121	1,201	3,527	967	3,065	3,985	1,429	3,080	1,192	9,685	35,216
Kualapuu	16,886	18,898	19,744	19,856	19,138	17,879	15,562	13,064	15,794	11,882	15,603	14,796	58,074	199,103
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	913	1,039	997	1,020	1,007	926	821	708	810	715	818	781	793	881

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 4/30/18	% Sustainable Yield	
Wailuku	Waikapu	3						
	Iao	20						
			Mokuhau 1	5330-09	645,009,000	1,767,148	8.84%	
			Mokuhau 2	5330-10	0	0	0.00%	
			Mokuhau 3	5330-11	881,307,000	2,414,540	12.07%	
			Waihee 1	5431-02	1,051,756,000	2,881,523	14.41%	
			Waihee 2	5431-03	286,664,000	785,381	3.93%	
			Waihee 3	5431-04	825,200,000	2,260,822	11.30%	
			Waiehu Heights 1	5430-01	0	0	0.00%	
			Waiehu Heights 2	5430-02	405,177,000	1,110,074	5.55%	
			Wailuku Shaft 33	5330-05	0	0	0.00%	
			Kepaniwai	5332-05	261,927,000	717,608	3.59%	
			Iao Tank Site Well	5230-02	203,875,000	558,562	2.79%	
			Waikapu Well	5131-01	382,275,000	1,047,329	5.24%	
			Wailuku 1	5230-04	218,860,000	599,616	3.00%	
			Wailuku 2	5230-05	672,297,000	1,841,910	9.21%	
		Iao Subtotal				15,984,512	79.92%	
		Waihee	8					
				North Waihee # 1	5631-02	287,718,000	788,268	9.85%
				North Waihee # 2	5631-03	271,328,000	743,364	9.29%
			Kanoa 1	5731-02	332,520,000	911,014	11.39%	
			Kanoa 2	5731-04	391,881,000	1,073,647	13.42%	
			Kupaa	5731-03	447,410,000	1,225,781	15.32%	
	Waihee Subtotal				4,742,074	69.28%		
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
			Maui Lani #5	5229-04	69,692,000	190,937	19.09%	
			Maui Lani #6	5229-05	133,063,000	364,556	36.46%	
			Maui Lani #7	5229-06	196,345,000	537,932	53.79%	
		Kahului Subtotal				1,093,425	109.34%	
		Kamaole	11					
		Paia	7					
				Hamakuapoko 1	5420-02	3,824,000	10,477	0.15%
				Hamakuapoko 2	5320-01	3,929,000	10,764	0.15%
		Paia Subtotal				21,241	0.30%	
	Makawao	7						
			Pookela	5118-02	13,693,000	37,515	0.54%	
	Makawao Subtotal				37,515	0.54%		
Koolau	Haiku	27						
			Kaupakalua	5317-01	190,468,000	521,830	1.93%	
			Haiku	5419-01	91,841,000	251,619	0.93%	
		Haiku Subtotal			0	773,449	2.86%	
		Honopou	25					
		Waiakamoi	40					
		Keanae	83					
				Keanae 1	5108-01	5,822,000	15,951	0.02%
				Keanae2	5108-02	7,163,000	19,625	0.02%
		Keanae Subtotal				35,575	0.04%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 4/30/18	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48					
			Hamoia 1	4300-02	18,675,000	51,164	0.11%
			Hamoia 2	4300-03	29,483,000	80,775	0.17%
			Wakiu B	4600-03	15,447,000	42,321	0.09%
		Wakiu C	4600-04	40,429,000	110,764	0.23%	
	Kawaipapa Subtotal					285,025	0.59%
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8					
			Napili A	5838-01	129,712,000	355,375	4.44%
			Napili B	5838-02	234,916,000	643,605	8.05%
			Napili C	5838-04	126,583,000	346,803	4.34%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	173,119,000	474,299	5.93%
	Honolua Subtotal					1,820,082	22.75%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	23,144,000	63,408	0.91%
			Kanaha 2	5339-04	16,622,000	45,540	0.65%
			Waipuka 1	5339-01	71,000	195	0.00%
			Waipuka 2	5339-02	36,591,000	100,249	1.43%
	Launiupoko Subtotal					209,392	2.99%
	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 4/30/18	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	199,103,000	545,488	10.91%	10.91%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal					545,488	10.91%	10.91%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	48,582,000	133,101	2.66%	2.66%
				Kawela Subtotal			133,101	2.66%	2.66%
	Ualapue	8	8	Ualapue	0449-01	73,734,000	202,011	2.53%	2.53%
				Ualapue Subtotal			202,011	2.53%	2.53%
	Waialua	6	8						
Northeast	Kalaupapa	2	0						
	Kahanui	3	0						
	Waikolu	5	4.5						
	Hauptu	2	0						
	Pelekunu	9	0						
	Wailau	15	0						
		Halawa	8	0					

