

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

March 6, 2018

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

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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

Alan Arakawa 3/6/18
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 February 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,

Glady's C. Baisa

GLADYS C. BAISA
Deputy Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 18-118

"By Water All Things Find Life"

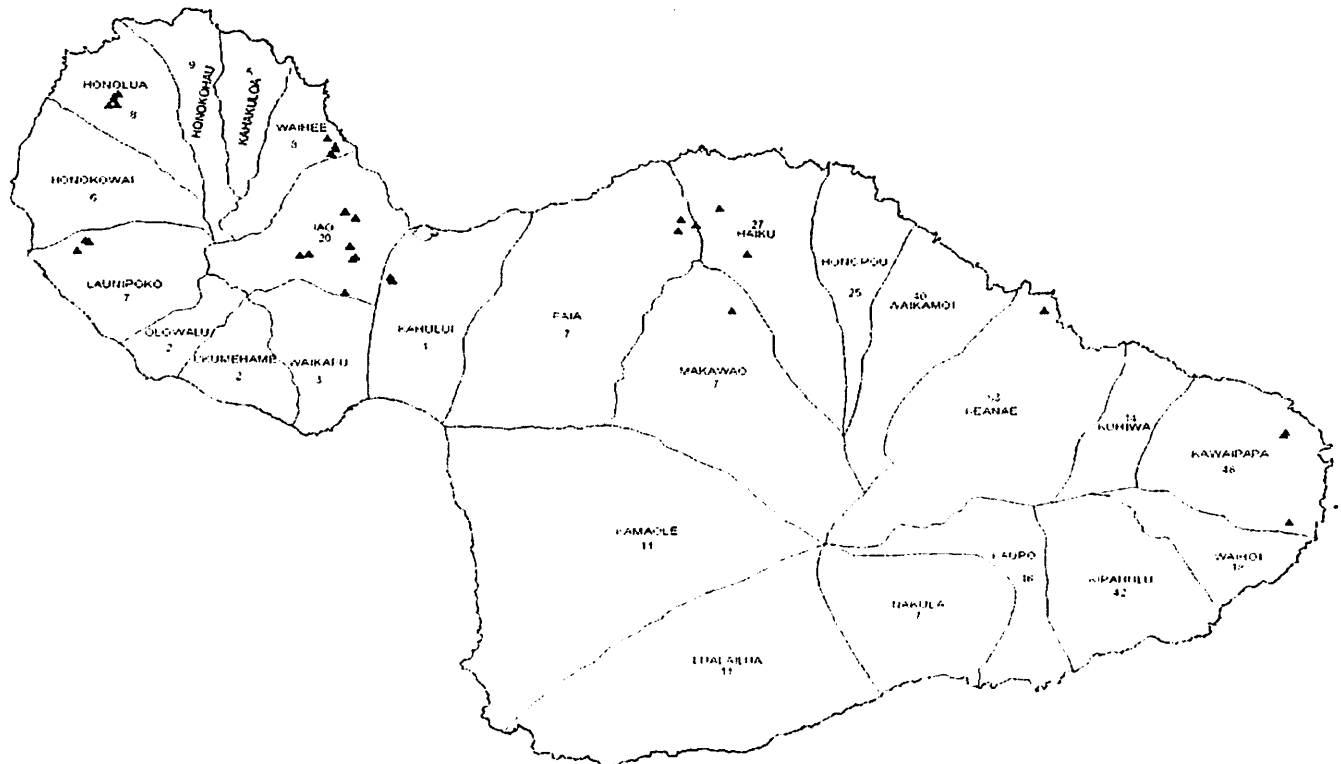
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	38,938	46,566	59,671	67,872	64,352	58,931	60,721	55,159	37,890	44,251	53,230	45,251	98,480	632,830
Mokuhau 503	75,445	78,049	71,400	79,363	85,991	86,953	83,794	78,217	72,727	72,668	81,409	63,676	145,085	929,691
Waihee 577	80,080	91,171	79,145	86,279	108,618	114,302	101,248	99,957	95,987	111,311	114,125	74,578	188,703	1,156,801
Waihee 578	66,566	80,320	63,707	29,336	0	0	618	0	97	683	60,126	64,838	124,964	366,290
Waihee 579	0	0	4,148	55,256	92,866	82,440	81,626	71,821	73,412	85,403	47,090	12,391	59,481	606,453
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	30,396	32,810	34,359	35,851	37,953	37,265	37,303	35,310	31,698	31,686	33,869	27,718	61,586	406,217
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	51,873	59,816	39,801	18,721	10,303	25,739	36,529	10,676	4,271	407	4,472	706	5,177	263,313
Waikapu	28,222	32,720	34,410	31,220	37,050	36,359	36,479	35,136	32,664	27,234	31,971	25,352	57,323	388,815
Wailuku 1	10,714	19,114	30,183	50,163	22,469	14,034	4,941	30,188	39,066	14,753	3,128	5,557	8,685	244,339
Wailuku 2	362	140	9,233	16,781	64,423	64,469	64,514	64,561	64,606	64,652	64,699	64,741	129,439	543,178
DAILY AVERAGE	12,342	14,690	13,744	15,695	16,804	16,790	16,926	15,517	15,082	14,614	15,939	13,743	14,897	15,172
Kopaniwai 511	22,318	21,580	22,116	21,600	22,143	22,316	21,600	22,076	21,596	22,320	22,152	20,095	42,247	261,910
Iao Tunnel	37,774	36,397	33,394	32,880	34,346	33,669	33,535	34,667	32,842	43,262	45,781	41,535	87,317	440,082
DAILY AVERAGE	1,938	1,933	1,791	1,816	1,822	1,806	1,838	1,830	1,815	2,116	2,191	2,201	2,196	1,923
<i>N. Waihee #1</i>														
N. Waihee #1	42,349	41,198	40,523	27,411	26,771	25,334	18,308	19,177	23,194	22,270	21,639	19,614	41,253	327,789
N. Waihee #2	18,002	13,768	22,483	19,438	19,961	18,452	22,580	23,066	20,643	25,633	26,216	20,511	46,727	250,751
Kanoa #1	34,954	43,353	32,431	24,200	19,900	46,680	46,503	46,691	38,374	16,150	15,760	13,695	29,455	378,691
Kanoa #2	59,355	57,569	58,628	37,094	47,004	37,095	43,741	37,576	28,551	19,547	20,538	24,836	45,374	471,534
Kupaa	33,068	33,321	34,751	46,405	48,280	44,899	41,817	41,385	45,557	28,986	23,585	19,358	42,943	441,413
DAILY AVERAGE	6,056	6,307	6,091	5,152	5,223	5,563	5,765	5,416	5,211	3,632	3,475	3,500	3,487	5,124
<i>Maui Lani #5</i>														
Maui Lani #5	5,680	5,755	5,829	5,761	5,974	6,155	5,846	5,771	5,698	5,897	5,696	5,336	11,032	69,398
Maui Lani #6	11,526	11,009	11,303	11,009	11,336	11,327	11,001	10,957	11,009	11,216	11,337	10,237	21,574	133,266
Maui Lani #7	16,236	16,232	16,747	16,237	16,746	16,765	16,297	16,117	16,200	16,402	16,692	15,131	31,823	195,800
DAILY AVERAGE	1,079	1,100	1,093	1,100	1,099	1,105	1,105	1,060	1,097	1,081	1,088	1,097	1,092	1,092
<i>UpCountry</i>														
Haiku	7,332	7,040	7,498	8,301	8,494	7,909	8,314	7,428	6,616	6,758	6,992	5,927	12,919	88,609
H' Poko #1	666	2,382	0	83	589	0	0	1,320	0	0	1,832	0	1,832	6,873
H' Poko #2	772	2,408	1	83	576	0	0	1,161	0	0	2,109	0	2,109	7,109
Kaupakalua	15,946	15,239	16,357	15,931	16,609	16,037	22,641	15,914	14,225	14,268	14,892	13,552	28,444	191,612
Pookela	39,752	22,597	762	127	5,090	310	6,260	262	99	85	335	419	419	75,781
DAILY AVERAGE	2,080	1,656	794	818	1,012	782	1,241	841	698	681	836	708	775	1,014
<i>Lahaina</i>														
Kanaha 575	109	30	509	1,199	2,120	3,722	6,049	4,900	2,102	583	261	340	600	21,923
Kanaha 576	126	81	748	1,710	1,507	3,088	4,251	2,727	942	466	73	233	306	15,952
Waipuka 559	0	0	0	0	0	0	0	0	0	0	0	22	22	22
Waipuka 560	260	220	1,107	2,833	4,608	6,398	8,599	6,628	3,140	690	400	428	828	35,310
Napili A 569	3,693	3,423	6,462	6,698	11,739	16,708	14,898	7,544	5,221	904	6,488	12,086	18,574	95,884
Napili B 570	11,111	18,166	13,468	18,647	21,406	22,508	22,382	23,208	22,496	16,934	23,114	20,999	44,114	234,439
Napili C 571	42,744	41,853	42,786	41,024	38,796	3,977	0	0	0	0	0	0	0	211,180
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	135	0	0	24	48	24,605	29,808	30,357	29,006	30,471	28,800	0	28,800	173,254
DAILY AVERAGE	1,877	2,126	2,100	2,404	2,588	2,813	2,866	2,431	2,097	1,614	1,908	1,218	1,580	2,159
<i>Hana</i>														
Hamoia 597	2,177	2,749	454	1,029	2,103	2,190	1,169	488	1,601	2,408	266	863	1,129	17,498
Hamoia #2	2,336	1,613	4,386	3,380	1,283	1,164	2,234	3,225	1,803	1,225	4,031	3,493	7,523	30,172
Keanae #1	1,036	1,076	1,058	794	338	329	253	1	494	640	100	1,056	1,156	7,174
Keanae #2	2	1	103	430	649	677	800	1,111	533	362	1,104	1	1,105	5,773
Wakiu 550 B	32	11	72	744	2,625	1,606	2,240	1,760	1,575	2,330	215	1,413	1,628	14,623
Wakiu C	6,699	6,119	7,073	6,057	3,429	3,050	1,834	2,306	1,820	1,118	3,664	1,837	5,501	45,006
DAILY AVERAGE	396	386	424	414	336	291	284	287	261	261	303	309	306	329
<i>Molokai</i>														
Kawela 551	7	9	7	0	5	3	3	4	9	8	3	0	3	57
Kawela 552	3,878	4,115	4,707	4,881	4,329	4,205	4,049	3,973	3,874	3,867	3,939	3,405	7,344	49,222
Ualapue 553	6,134	3,295	141	3,863	3,284	4,425	5,820	3,326	4,230	1,942	1,388	3,296	4,684	41,143
Ualapue 554	50	3,159	6,573	3,521	3,556	3,121	1,201	3,527	967	3,065	3,985	1,429	5,414	34,153
Kualapuu	15,633	16,291	16,886	18,898	19,744	19,856	19,138	17,879	15,562	13,064	15,794	11,882	27,675	200,628
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	829	896	913	1,039	997	1,020	1,007	926	821	708	810	715	765	891

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 1/31/18	% Sustainable Yield
Wailuku	Waikapu	3					
	lao	20	Mokuhau 1	5330-09	608,931,000	1,668,304	8.34%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	957,722,000	2,623,896	13.12%
			Waihee 1	5431-02	1,157,683,000	3,171,734	15.86%
			Waihee 2	5431-03	369,225,000	1,011,575	5.06%
			Waihee 3	5431-04	594,061,000	1,627,564	8.14%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	405,019,000	1,109,641	5.55%
			Wailuku Shaft 33	5330-05	0	0	0.00%
			Kepaniwai	5332-05	261,948,000	717,666	3.59%
			lao Tank Site Well	5230-02	288,009,000	789,066	3.95%
			Waikapu Well	5131-01	389,673,000	1,067,597	5.34%
			Wailuku 1	5230-04	283,006,000	775,359	3.88%
			Wailuku 2	5230-05	478,438,000	1,310,789	6.55%
			lao Subtotal				
Waihee	8	North Waihee # 1	5631-02	344,393,000	943,542	11.79%	
		North Waihee # 2	5631-03	251,270,000	688,411	8.61%	
		Kanoa 1	5731-02	396,131,000	1,085,290	13.57%	
		Kanoa 2	5731-04	499,886,000	1,369,551	17.12%	
		Kupaa	5731-03	451,309,000	1,236,463	15.46%	
		Waihee Subtotal					5,323,258
Kahakuloa	5						
Honokohau	9						
Central	Kahului	1	Maui Lani #5	5229-04	69,262,000	189,759	18.98%
			Maui Lani #6	5229-05	133,420,000	365,534	36.55%
			Maui Lani #7	5229-06	194,386,000	532,564	53.26%
			Kahului Subtotal				
Kamaole	11						
Paia	7	Hamakuapoko 1	5420-02	6,873,000	18,830	0.27%	
		Hamakuapoko 2	5320-01	7,109,000	19,477	0.28%	
		Paia Subtotal					38,307
Makawao	7	Pookela	5118-02	98,547,000	269,992	3.86%	
		Makawao Subtotal					269,992
Koolau	Haiku	27	Kaupakalua	5317-01	191,931,000	525,838	1.95%
			Haiku	5419-01	88,807,000	243,307	0.90%
			Haiku Subtotal				
Honopou	25						
Waiakamoi	40						
Keanae	83	Keanae 1	5108-01	6,649,000	18,216	0.02%	
		Keanae2	5108-02	6,234,000	17,079	0.02%	
		Keanae Subtotal					35,296

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 1/31/18	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48	Hamoia 1	4300-02	17,389,000	47,641	0.10%
			Hamoia 2	4300-03	30,155,000	82,616	0.17%
			Wakiu B	4600-03	13,210,000	36,192	0.08%
			Wakiu C	4600-04	48,726,000	133,496	0.28%
Kawaipapa Subtotal					299,945	0.62%	
Hana	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8	Napili A	5838-01	85,895,000	235,329	2.94%
			Napili B	5838-02	222,593,000	609,844	7.62%
			Napili C	5838-04	250,089,000	685,175	8.56%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	174,044,000	476,833	5.96%
	Honolua Subtotal					2,007,181	25.09%
	Honokowai	6					
Lahaina	Launiupoko	7	Kanaha 1	5339-03	21,688,000	59,419	0.85%
			Kanaha 2	5339-04	15,791,000	43,263	0.62%
			Waipuka 1	5339-01	0	0	0.00%
			Waipuka 2	5339-02	35,079,000	96,107	1.37%
Launiupoko Subtotal					198,789	2.84%	
Lahaina	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 1/31/18	Sustainable Yield - % DWS	% DY MWWGR	
West	Kaluakoi	2	2							
	Punakou	2	2							
Central	Hoolehua	2	2							
	Manawainui	2	2							
	Kualapuu	Kualapuu	5	5	Kualapuu	0801-03	203,449,000	557,395	11.15%	11.15%
		Waikalae Tunnel			Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
Kualapuu Subtotal							557,395	11.15%	11.15%	
Southeast	Kamiloloa	3	3							
	Kawela	Kawela	5	5	Kawela	0457-01	49,138,000	134,625	2.69%	2.69%
		Kawela Subtotal							134,625	2.69%
	Ualapue	Ualapue	8	8	Ualapue	0449-01	75,759,000	207,559	2.59%	2.59%
		Ualapue Subtotal							207,559	2.59%
Waiatua		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							

