

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
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February 5, 2018

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

For Transmittal to:

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

APPROVED FOR TRANSMITTAL
[Signature] 2/6/18
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 January 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,

[Signature]
GLADYS C. BAISA
Deputy Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 18-77

"By Water All Things Find Life"

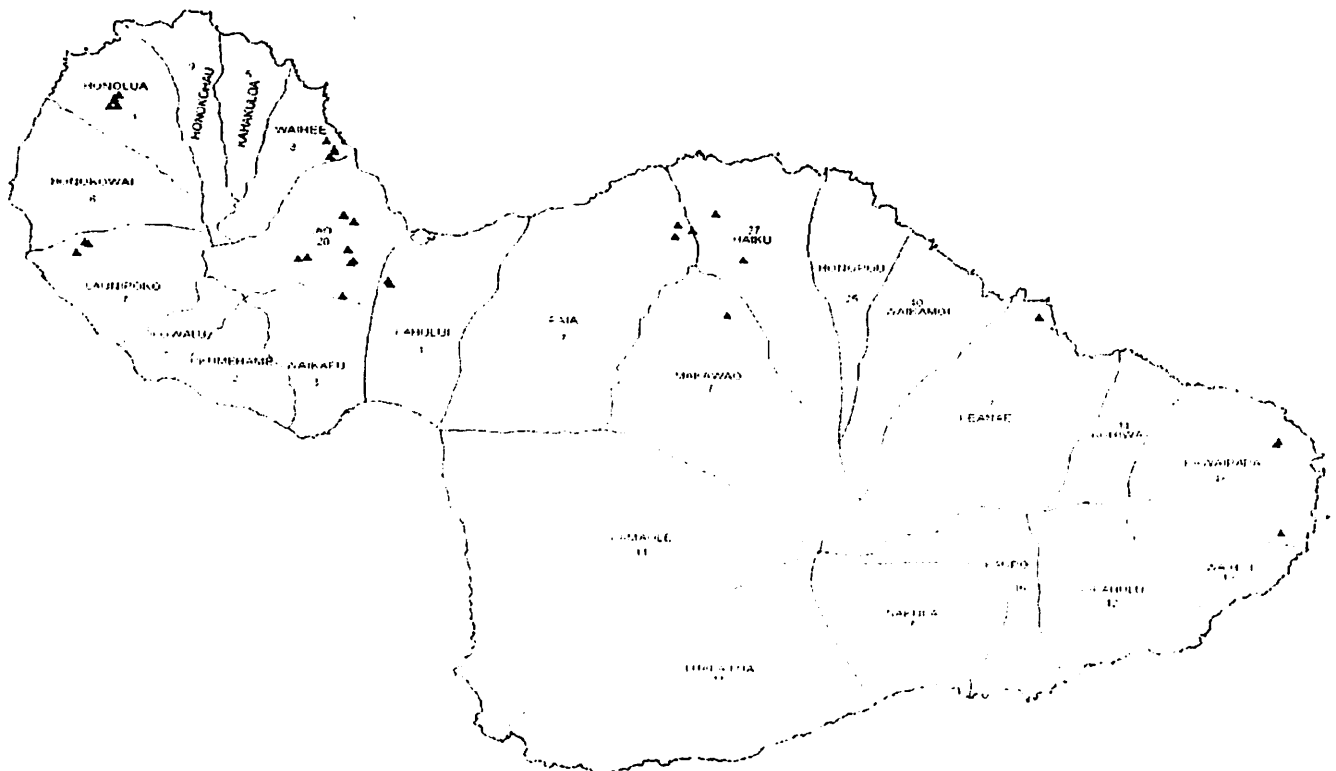
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gala X 1000)

WELL NAME	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	21,351	38,938	46,566	59,671	67,872	64,352	58,931	60,721	55,159	37,890	44,251	53,230	53,230	608,931
Mokuhau 503	91,707	75,445	78,049	71,400	79,363	85,991	86,953	83,794	78,217	72,727	72,668	81,409	81,409	957,722
Waihee 577	75,460	80,080	91,171	79,145	86,279	108,618	114,302	101,248	99,957	95,987	111,311	114,125	114,125	1,157,683
Waihee 578	67,773	66,566	80,320	63,707	29,336	0	0	618	0	97	683	60,126	60,126	369,225
Waihee 579	0	0	0	4,148	55,256	92,866	82,440	81,626	71,821	73,412	85,403	47,090	47,090	594,061
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	26,520	30,396	32,810	34,359	35,851	37,953	37,265	37,303	35,310	31,698	31,686	33,669	33,669	405,019
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	25,402	51,873	59,816	39,801	18,721	10,303	25,739	36,529	10,676	4,271	407	4,472	4,472	288,009
Waikapu	26,210	28,222	32,720	34,410	31,220	37,050	36,359	36,479	35,136	32,664	27,234	31,971	31,971	389,673
Wailuku 1	44,224	10,714	19,114	30,183	50,163	22,469	14,034	4,941	30,188	39,096	14,753	3,128	3,128	283,006
Wailuku 2	0	362	140	9,233	16,781	64,423	64,469	64,514	64,514	64,606	64,652	64,699	64,699	478,438
DAILY AVERAGE	13,523	12,342	14,690	13,744	15,695	16,904	16,790	16,926	15,517	15,082	14,614	15,939	15,939	15,156
<i>Kepaniwai 511</i>														
Kepaniwai 511	20,133	22,318	21,580	22,116	21,600	22,143	22,316	21,600	22,076	21,596	22,320	22,152	22,152	261,948
Iao Tunnel	24,978	37,774	36,397	33,394	32,880	34,346	33,669	33,535	34,667	32,842	43,262	45,781	45,781	423,524
DAILY AVERAGE	1,611	1,938	1,933	1,791	1,816	1,822	1,806	1,838	1,830	1,815	2,116	2,191	2,191	1,878
<i>N. Waihee #1</i>														
N. Waihee #1	36,219	42,349	41,198	40,523	27,411	26,771	25,334	18,308	19,177	23,194	22,270	21,639	21,639	344,393
<i>N. Waihee #2</i>														
N. Waihee #2	21,029	18,002	13,768	22,483	19,438	19,961	18,452	22,580	23,066	20,643	25,633	26,216	26,216	251,270
<i>Kanoa #1</i>														
Kanoa #1	31,135	34,954	43,353	32,431	24,200	19,900	46,680	46,503	46,691	38,374	16,150	15,760	15,760	396,131
<i>Kanoa #2</i>														
Kanoa #2	53,187	59,355	57,569	58,628	37,094	47,004	37,095	43,741	37,576	28,551	19,547	20,538	20,538	499,866
<i>Kupaa</i>														
Kupaa	29,254	33,068	33,321	34,751	46,405	48,280	44,899	41,817	41,385	45,557	28,986	23,585	23,585	451,309
DAILY AVERAGE	6,101	6,058	6,307	6,091	5,152	5,223	5,563	5,765	5,416	5,211	3,632	3,475	3,475	5,323
<i>Maui Lani #5</i>														
Maui Lani #5	5,201	5,680	5,755	5,829	5,761	5,974	6,155	5,846	5,771	5,698	5,897	5,696	5,696	69,262
<i>Maui Lani #6</i>														
Maui Lani #6	10,391	11,526	11,009	11,303	11,009	11,336	11,327	11,001	10,957	11,009	11,216	11,337	11,337	133,420
<i>Maui Lani #7</i>														
Maui Lani #7	13,716	16,236	16,232	16,747	16,237	16,746	16,765	16,297	16,117	16,200	16,402	16,692	16,692	194,386
DAILY AVERAGE	1,047	1,079	1,100	1,093	1,100	1,099	1,105	1,105	1,060	1,097	1,081	1,088	1,088	1,088
<i>UpCountry</i>														
Haiku	6,125	7,332	7,040	7,498	8,301	8,494	7,909	8,314	7,428	6,616	6,758	6,992	6,992	88,807
<i>H' Poko #1</i>														
H' Poko #1	0	666	2,382	0	83	589	0	0	1,320	0	0	1,832	1,832	6,873
<i>H' Poko #2</i>														
H' Poko #2	0	772	2,408	1	83	576	0	0	1,161	0	0	2,109	2,109	7,109
<i>Kaupakalua</i>														
Kaupakalua	13,871	15,946	15,239	16,357	15,931	16,609	16,037	22,641	15,914	14,225	14,268	14,892	14,892	191,931
<i>Pookela</i>														
Pookela	23,100	39,752	22,597	762	127	5,090	310	6,260	262	104	99	85	85	98,547
DAILY AVERAGE	1,539	2,080	1,656	794	818	1,012	782	1,241	841	698	681	836	836	1,077
<i>Lahaina</i>														
Kanaha 575	105	109	30	509	1,199	2,120	3,722	6,049	4,900	2,102	583	261	261	21,688
Kanaha 576	72	126	81	748	1,710	1,507	3,088	4,251	2,727	942	466	73	73	15,791
Waipuka 559	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waipuka 560	197	260	220	1,107	2,833	4,608	6,398	8,599	6,628	3,140	690	400	400	35,079
Napili A 569	2,097	3,693	3,423	6,482	6,698	11,739	16,708	14,898	7,544	5,221	904	6,488	6,488	85,895
Napili B 570	9,154	11,111	18,166	13,468	18,647	21,406	22,508	22,382	23,208	22,496	16,934	23,114	23,114	222,593
Napili C 571	38,910	42,744	41,853	42,786	41,024	38,796	3,977	0	0	0	0	0	0	250,089
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	789	135	0	0	24	48	24,605	29,808	30,357	29,006	30,471	28,800	28,800	174,044
DAILY AVERAGE	1,833	1,877	2,126	2,100	2,404	2,588	2,613	2,866	2,431	2,097	1,614	1,908	1,908	2,206
<i>Hana</i>														
Hamao 597	754	2,177	2,749	454	1,029	2,103	2,190	1,169	488	1,601	2,408	266	266	17,389
Hamao #2	3,476	2,336	1,613	4,386	3,380	1,283	1,164	2,234	3,225	1,803	1,225	4,031	4,031	30,155
Keanae #1	530	1,036	1,076	1,058	794	338	329	253	1	494	640	100	100	6,649
Keanae #2	462	2	1	103	430	649	677	800	1,111	533	362	1,104	1,104	6,234
Wakiu 550 B	0	32	11	72	744	2,625	1,606	2,240	1,760	1,575	2,330	215	215	13,210
Wakiu C	5,557	6,699	6,119	7,073	6,057	3,429	3,050	1,834	2,306	1,820	1,118	3,664	3,664	48,726
DAILY AVERAGE	385	386	386	424	414	336	291	284	287	281	261	303	303	335
<i>Molokai</i>														
Kawela 551	11	7	9	7	0	5	3	3	4	9	8	3	3	68
Kawela 552	3,252	3,878	4,115	4,707	4,881	4,329	4,205	4,049	3,973	3,874	3,867	3,939	3,939	49,070
Ualapue 553	5,154	6,134	3,295	141	3,863	3,284	4,425	5,820	3,326	4,230	1,942	1,388	1,388	43,002
Ualapue 554	33	50	3,159	6,573	3,521	3,556	3,121	1,201	3,527	967	3,065	3,985	3,985	32,757
Kualapuu	14,703	15,633	16,291	16,886	18,898	19,744	19,856	19,138	17,879	15,562	13,064	15,794	15,794	203,449
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	827	829	898	913	1,039	997	1,020	1,007	926	821	708	810	810	900

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						
		Iao	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%	
			Iao 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	283,008,000	775,359	3.88%	
			Wailuku 2	5230-05	478,438,000	1,310,789	6.55%	
			Iao Subtotal				15,873,192	79.37%
			Waihee	8				
					North Waihee # 1	5631-02	344,393,000	943,542
				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	66.54%		
	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				1,087,858	108.79%	
		Kamaole	11					
		Pala	7					
			Hamakuapoko 1	5420-02	6,873,000	18,830	0.27%	
			Hamakuapoko 2	5320-01	7,109,000	19,477	0.28%	
		Pala Subtotal				38,307	0.55%	
	Makawao	7						
		Pookela	5118-02	98,547,000	269,992	3.86%		
	Makawao Subtotal				269,992	3.86%		
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				0	2.85%	
		Honopou	25					
		Walakamoi	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	0.04%	

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%	
Waiholi	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				
	Honokowai	6					
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%	
Olowalu	2						
Ukumohame	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 MWGR
West	Kaluakoi	2	2						
	Punakou	2	2						
Central	Hooiehua	2	2						
	Manawainui	2	2						
	Kualapuu	5	5	Kualapuu	0801-03	203,449,000	557,395	11.15%	11.15%
	Kualapuu Subtotal			Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
							557,395	11.15%	11.15%
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	49,138,000	134,625	2.69%	2.69%
	Kawela Subtotal						134,625	2.69%	2.69%
	Ualapue	8	8	Ualapue	0449-01	75,759,000	207,559	2.59%	2.59%
	Ualapue Subtotal						207,559	2.59%	2.59%
	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						

