

ALAN M. ARAKAWA
Mayor



DAVID TAYLOR, P.E.
Director

GLADYS C. BAISA
Deputy Director

RECEIVED

2017 OCT -4 AM 9: 40

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

October 3, 2017

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

Dear Chair White and Members:

RECEIVED
2017 OCT -9 AM 9: 33
OFFICE OF THE
COUNTY CLERK

APPROVED FOR TRANSMITTAL

Alan Arakawa 10/6/17
Mayor Date

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 September 2017.

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 for
DAVID TAYLOR
Director of Water Supply

Attachments

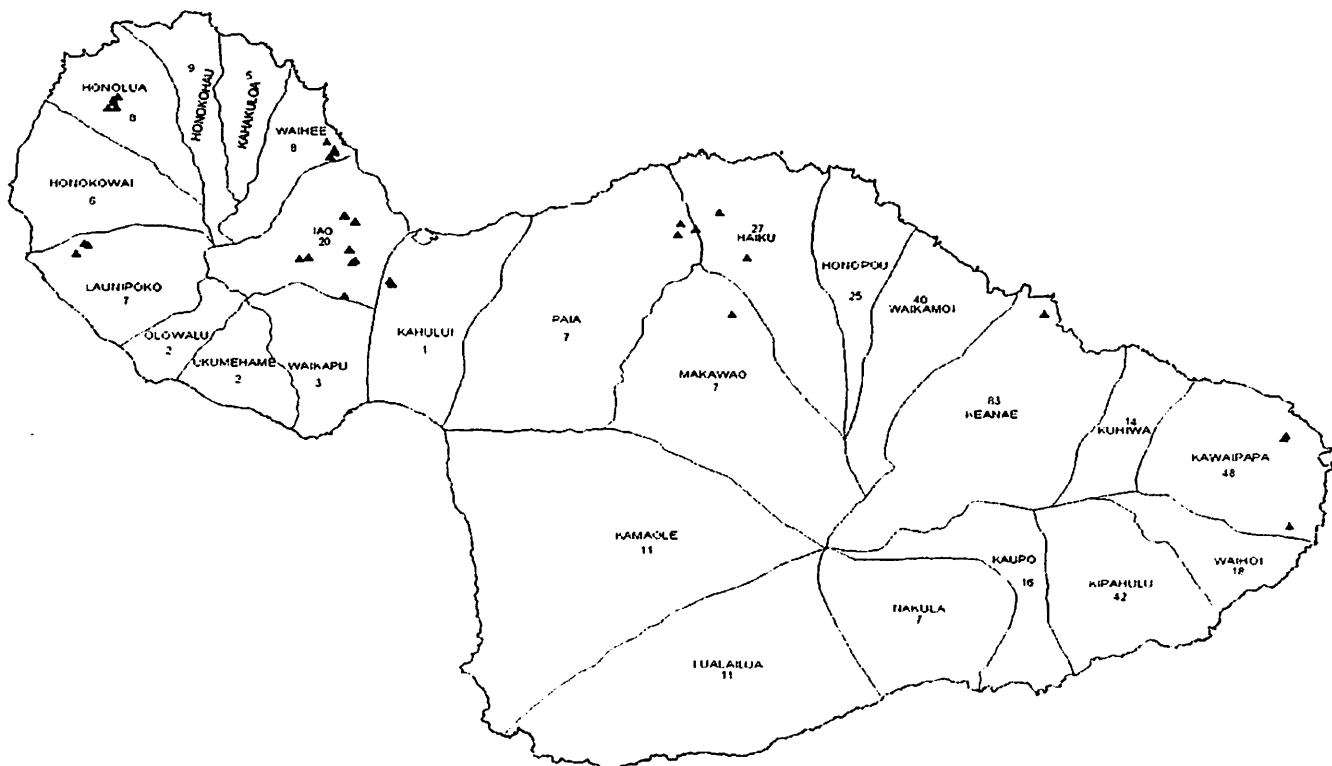
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	40,435	25,356	18,783	29,858	21,351	38,938	46,566	59,671	67,872	64,352	58,931	60,721	448,261	532,836
Mokuhau 503	112,980	106,117	99,351	102,451	91,707	75,445	78,049	71,400	79,363	85,991	86,953	83,794	755,152	1,073,600
Walhee 577	111,706	107,713	89,566	94,371	75,460	80,080	91,171	79,145	86,279	108,618	114,302	101,248	830,673	1,139,659
Walhee 578	71,078	69,296	32,152	58,482	67,773	66,566	80,320	63,707	29,336	0	0	618	366,801	539,325
Walhee 579	0	0	0	0	0	0	0	4,148	55,256	92,866	82,440	81,626	316,335	316,335
Walehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walehu Hts 515	32,099	30,453	27,128	29,438	26,520	30,396	32,810	34,359	35,851	37,953	37,265	37,303	301,894	391,572
Walluku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lao	57,596	60,431	62,496	59,248	25,402	51,873	59,816	39,801	18,721	10,303	25,739	36,529	327,431	507,954
Waikapu	34,457	35,315	28,511	32,400	26,210	28,222	32,720	34,410	31,220	37,050	36,359	36,479	295,068	393,349
Walluku 1	63,869	61,424	38,755	35,904	44,224	10,714	19,114	30,183	50,163	22,469	14,034	4,941	231,746	395,794
Walluku 2	842	0	0	0	0	362	140	9,233	16,781	64,423	64,469	64,514	219,921	220,763
DAILY AVERAGE	16,937	16,537	12,798	14,263	13,623	12,342	14,690	13,744	15,695	16,904	16,790	16,926	14,994	15,099
Kepaniwai 511	22,319	21,526	22,320	22,303	20,133	22,318	21,580	22,116	21,600	22,143	22,316	21,600	196,107	262,272
lao Tunnel	0	0	0	0	24,978	37,774	36,397	33,394	32,880	34,346	33,669	33,535	266,972	266,972
DAILY AVERAGE	720	718	720	719	1,611	1,938	1,933	1,791	1,816	1,822	1,806	1,838	1,696	1,450
N. Walhee #1	45,421	41,822	32,568	37,501	36,219	42,349	41,198	40,523	27,411	26,771	25,334	18,308	295,614	415,425
N. Walhee #2	46,787	45,114	34,254	24,646	21,029	18,002	13,768	22,483	19,438	19,961	18,452	22,580	180,357	306,493
Kanoa #1	31,379	26,043	21,391	7,315	31,135	34,954	43,353	32,431	24,200	19,900	46,880	46,503	286,470	365,283
Kanoa #2	0	0	12,969	59,029	53,187	59,355	57,569	58,628	37,094	47,004	37,095	43,741	452,703	465,673
Kupaa	47,192	46,369	48,692	43,996	29,254	33,068	33,321	34,751	46,405	48,280	44,899	41,817	355,792	498,045
DAILY AVERAGE	5,508	5,312	4,835	5,564	6,101	6,056	6,307	6,091	6,152	5,223	5,563	5,765	5,754	6,619
Maul Lani #5	5,819	5,779	5,891	5,671	5,201	5,680	5,755	5,829	5,761	5,974	6,155	5,846	51,871	69,360
Maul Lani #6	11,582	11,283	11,549	11,599	10,391	11,526	11,009	11,303	11,009	11,336	11,327	11,001	100,500	134,915
Maul Lani #7	16,605	16,185	16,737	16,761	13,716	16,236	16,232	16,747	16,237	16,746	16,765	16,297	145,736	195,263
DAILY AVERAGE	1,097	1,108	1,102	1,098	1,047	1,079	1,100	1,093	1,100	1,099	1,105	1,105	1,092	1,095
<i>UpCountry</i>														
Halku	6,411	5,979	5,876	6,576	6,125	7,332	7,040	7,498	8,301	8,494	7,909	8,314	67,589	85,856
H' Poko #1	0	0	0	15	0	666	2,382	0	83	589	0	0	3,736	3,736
H' Poko #2	0	0	0	8	0	772	2,408	1	83	576	0	0	3,847	3,847
Kaupakalua	15,855	14,831	15,470	16,189	13,871	15,946	15,239	16,357	15,931	16,609	16,037	22,641	148,821	194,978
Pookela	63	270	999	601	23,100	39,752	22,597	762	127	5,090	310	6,260	98,599	99,931
DAILY AVERAGE	720	703	721	754	1,539	2,080	1,656	794	818	1,012	782	1,241	1,182	1,064
<i>Lahaina</i>														
Kanaha 575	225	220	209	305	105	109	30	509	1,199	2,120	3,722	6,049	14,147	14,800
Kanaha 576	372	252	195	328	72	126	81	748	1,710	1,507	3,088	4,251	11,911	12,730
Walpuka 559	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walpuka 560	600	350	217	190	197	260	220	1,107	2,833	4,608	6,398	8,599	24,412	25,580
Napili A 569	3,147	4,001	6,028	3,016	2,097	3,693	3,423	6,482	6,698	11,739	16,708	14,898	68,753	81,930
Napili B 570	13,322	8,692	10,778	10,642	9,154	11,111	18,166	13,468	18,647	21,406	22,508	22,382	147,484	180,276
Napili C 571	41,294	38,714	28,605	40,991	38,910	42,744	41,853	42,786	41,024	38,796	3,977	0	291,080	399,693
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	0	17	0	0	789	135	0	0	24	48	24,605	29,808	55,410	55,427
DAILY AVERAGE	1,902	1,742	1,485	1,789	1,833	1,877	2,126	2,100	2,404	2,588	2,613	2,866	2,246	2,111
<i>Hana</i>														
Hamoia 597	1,516	397	2	1,207	754	2,177	2,749	454	1,029	2,103	2,190	1,169	13,832	15,748
Hamoia #2	5,811	6,666	6,821	4,127	3,476	2,336	1,613	4,366	3,380	1,283	1,164	2,234	23,998	43,295
Keanae #1	757	14	0	0	530	1,036	1,078	1,058	794	338	329	253	5,414	6,186
Keanae #2	519	943	994	1,032	462	2	1	103	430	649	677	800	4,155	6,811
Waku 550 B	7,763	7,449	0	0	0	32	11	72	744	2,625	1,806	2,240	7,330	22,542
Waku C	0	0	0	7,555	5,557	6,699	6,119	7,073	6,057	3,429	3,050	1,834	47,373	47,373
DAILY AVERAGE	528	516	252	449	385	396	386	424	414	335	291	284	374	388
<i>Molokai</i>														
Kawela 551	3	3	7	6	11	7	9	7	0	5	3	3	49	61
Kawela 552	3,814	3,877	3,454	3,402	3,252	3,878	4,115	4,707	4,881	4,329	4,205	4,049	36,819	47,964
Ualapue 553	5,297	5,287	1,115	4,209	5,154	6,134	3,295	141	3,863	3,284	4,425	5,820	38,325	48,024
Ualapue 554	0	0	2,991	872	33	50	3,159	6,573	3,521	3,556	3,121	1,201	22,086	25,077
Kualapuu	18,008	17,647	14,130	16,222	14,703	15,833	16,291	16,886	18,898	19,744	19,856	19,138	157,373	207,158
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	875	894	700	797	827	829	898	913	1,039	997	1,020	1,007	925	899

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 9/30/17	% Sustainable Yield	
Wailuku	Waikapu	3						
		Iao	20					
				Mokuhau 1	5330-09	532,836,000	1,459,825	7.30%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	1,073,600,000	2,941,370	14.71%
				Waihee 1	5431-02	1,139,659,000	3,122,353	15.61%
				Waihee 2	5431-03	539,325,000	1,477,603	7.39%
				Waihee 3	5431-04	316,335,000	866,671	4.33%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	391,572,000	1,072,800	5.36%
				Wailuku Shaft 33	5330-05	0	0	0.00%
				Kepaniwai	5332-05	262,272,000	718,553	3.59%
				Iao Tank Site Well	5230-02	507,954,000	1,391,655	6.96%
				Waikapu Well	5131-01	393,349,000	1,077,668	5.39%
				Wailuku 1	5230-04	395,794,000	1,084,367	5.42%
			Wailuku 2	5230-05	220,763,000	604,830	3.02%	
	Iao Subtotal					15,817,696	79.09%	
	Waihee	8						
			North Waihee # 1	5631-02	415,425,000	1,138,151	14.23%	
			North Waihee # 2	5631-03	306,493,000	839,707	10.50%	
			Kanoa 1	5731-02	365,283,000	1,000,775	12.51%	
			Kanoa 2	5731-04	465,673,000	1,275,816	15.95%	
			Kupaa	5731-03	498,045,000	1,364,507	17.06%	
	Waihee Subtotal					5,618,956	70.24%	
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
			Maui Lani #5	5229-04	69,360,000	190,027	19.00%	
			Maui Lani #6	5229-05	134,915,000	369,630	36.96%	
			Maui Lani #7	5229-06	195,263,000	534,967	53.50%	
	Kahului Subtotal					1,094,625	109.46%	
	Kamaole	11						
	Pala	7						
			Hamakuapoko 1	5420-02	3,736,000	10,236	0.15%	
			Hamakuapoko 2	5320-01	3,847,000	10,540	0.15%	
	Pala Subtotal					20,775	0.30%	
	Makawao	7						
			Pookela	5118-02	99,931,000	273,784	3.91%	
	Makawao Subtotal					273,784	3.91%	
Koolau	Haiku	27						
			Kaupakalua	5317-01	194,978,000	534,186	1.98%	
			Haiku	5419-01	85,856,000	235,222	0.87%	
	Haiku Subtotal				0	769,408	2.85%	
	Honopou	25						
	Waiakamoi	40						
	Keanae	83						
			Keanae 1	5108-01	6,186,000	16,948	0.02%	
			Keanae2	5108-02	6,611,000	18,112	0.02%	
	Keanae Subtotal					35,060	0.04%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 9/30/17	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48	Hamoia 1	4300-02	15,748,000	43,145	0.09%
			Hamoia 2	4300-03	43,295,000	118,616	0.25%
			Wakiu B	4600-03	22,542,000	61,759	0.13%
			Wakiu C	4600-04	47,373,000	129,789	0.27%
Kawaipapa Subtotal					353,310	0.74%	
Hana	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8	Napili A	5838-01	81,930,000	224,466	2.81%
			Napili B	5838-02	180,276,000	493,907	6.17%
			Napili C	5838-04	399,693,000	1,095,049	13.69%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	55,427,000	151,855	1.90%
	Honolua Subtotal					1,965,277	24.57%
Lahaina	Honokowai	6					
	Launiupoko	7	Kanaha 1	5339-03	14,800,000	40,548	0.58%
			Kanaha 2	5339-04	12,730,000	34,877	0.50%
			Waipuka 1	5339-01	0	0	0.00%
			Waipuka 2	5339-02	25,580,000	70,082	1.00%
Launiupoko Subtotal					145,507	2.08%	
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 9/30/17	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	207,158,000	567,556	11.35%	11.35%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
Kualapuu Subtotal						667,556	11.35%	11.35%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	48,025,000	131,575	2.63%	2.63%
				Kawela Subtotal				131,575	2.63%
	Ualapue	8	8	Ualapue	0449-01	73,101,000	200,277	2.50%	2.50%
				Ualapue Subtotal				200,277	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					

