

ALAN M. ARAKAWA
Mayor



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DAVID TAYLOR, P.E.
Director

2016 FEB -3 PM 2: 49

PAUL J. MEYER
Deputy Director

**DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI**

200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793-2155
www.mauiwater.org

OFFICE OF THE MAYOR

February 3, 2016

OFFICE OF THE
COUNTY CLERK

2016 FEB -8 PM 2: 39

RECEIVED

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] 2/3/16
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 2016.

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]
DAVID TAYLOR
Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. **16-21**

"By Water All Things Find Life"

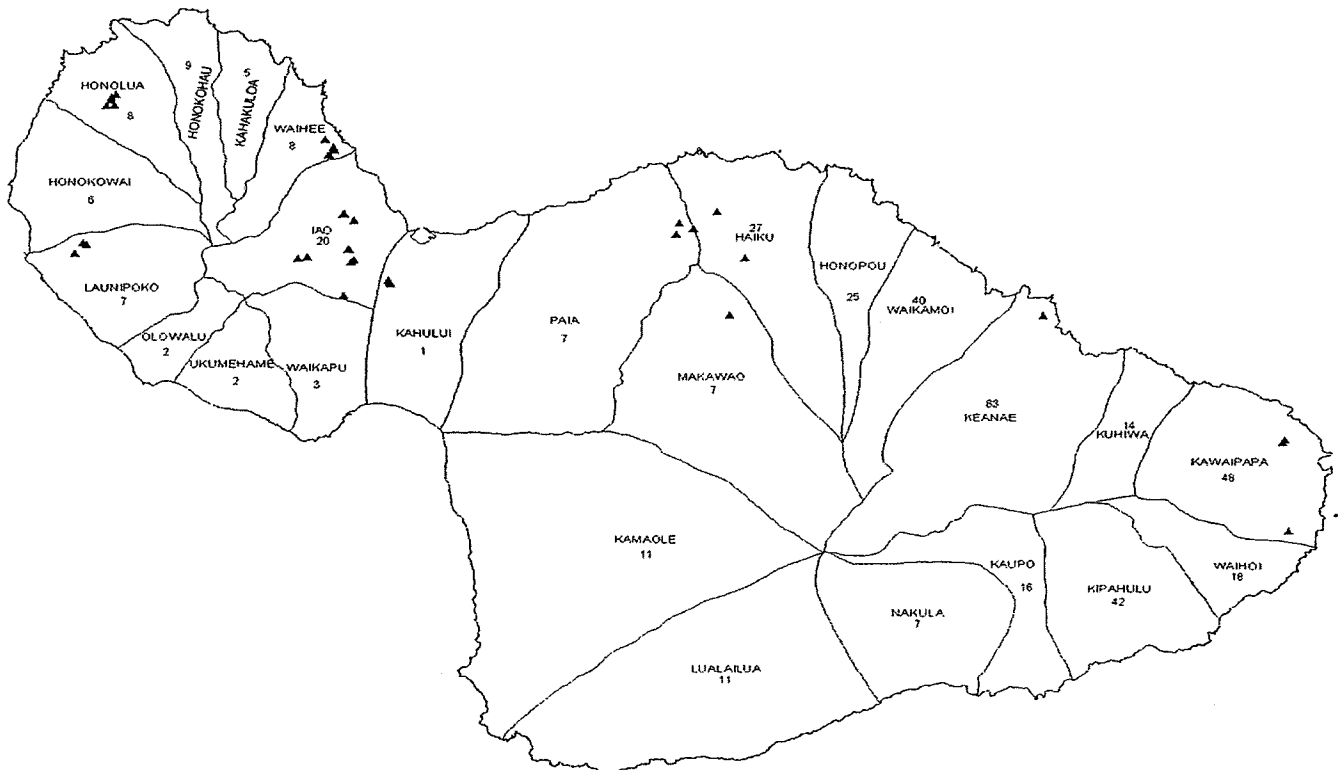


County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	1,098	0	0	0	0	3	0	533	2,318	851	2,581	5,873	14,734	13,257
Mokuhau 503	57,003	56,864	69,664	79,135	79,617	91,173	98,402	62,152	40,849	46,154	69,867	79,078	897,088	829,958
Waihee 577	20,761	29,030	31,248	29,885	29,111	37,856	40,578	22,915	29,322	28,190	38,147	40,186	412,572	377,229
Waihee 578	16,451	22,311	22,448	29,022	32,638	31,783	31,829	27,427	23,690	23,779	40,408	39,995	370,410	341,781
Waihee 579	53,945	72,029	87,971	92,755	92,176	105,935	98,936	90,043	89,762	78,029	90,173	96,389	1,123,879	1,048,144
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	24,091	26,439	29,088	29,354	30,726	32,835	32,266	30,440	29,901	29,411	30,920	31,535	384,907	357,006
Wailuku Shaft 33	134,325	151,216	146,328	151,432	147,052	152,188	136,702	146,779	152,537	146,187	150,289	149,555	1,912,679	1,764,589
Iao	1,409	6,410	13,395	15,062	2,790	19,191	3,432	12,223	37,960	13,644	4,840	126	133,959	130,483
Waikapu	29,472	30,301	20,066	0	0	0	295	29,823	30,564	32,682	34,271	31,764	270,554	239,238
Wailuku 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wailuku 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	12,091	12,729	14,007	13,763	13,804	15,192	14,272	14,078	14,094	13,298	14,887	15,306	178,090	13,977
Kepaniwai 511	20,224	22,543	21,815	22,537	21,816	22,535	22,543	21,599	22,313	21,553	22,275	22,320	286,109	264,072
Iao Tunnel	42,831	47,830	46,339	45,501	43,845	45,673	46,520	45,255	46,668	43,570	46,430	46,154	593,853	546,615
DAILY AVERAGE	2,252	2,270	2,272	2,195	2,189	2,200	2,228	2,228	2,225	2,171	2,216	2,209	28,386	2,221
N. Waihee #1	26,381	28,876	27,968	28,824	27,857	27,054	28,202	27,801	28,628	27,266	28,621	28,641	364,883	336,117
N. Waihee #2	19,216	21,740	20,851	21,724	21,002	20,923	21,727	20,615	21,425	21,131	21,666	21,331	263,710	253,349
Kanoa #1	25,082	29,325	28,565	29,598	28,383	27,690	29,444	28,870	30,069	26,746	18,943	18,578	350,746	321,293
Kanoa #2	25,122	26,888	25,975	26,925	26,547	28,440	26,584	27,056	27,960	25,700	18,878	18,593	332,334	304,667
Kupaa	0	990	41,283	41,313	41,343	46,439	46,473	46,506	46,540	46,573	10,975	9,861	378,297	378,297
DAILY AVERAGE	3,421	3,478	4,821	4,787	4,838	4,856	4,917	5,028	4,988	4,914	3,196	3,129	54,515	4,366
Maui Lani #5	0	481	4,968	5,753	5,582	4,907	5,259	5,553	5,836	5,448	5,797	5,770	55,921	55,355
Maui Lani #6	8,389	11,154	11,441	11,743	11,317	11,488	11,434	11,060	11,577	10,928	11,232	11,587	144,149	133,349
Maui Lani #7	12,241	16,718	15,673	16,883	16,282	15,912	16,451	16,114	16,719	15,447	16,833	16,757	207,543	192,028
DAILY AVERAGE	737	915	1,069	1,109	1,106	1,042	1,069	1,091	1,101	1,061	1,092	1,100	13,149	1,043
<i>UpCountry</i>														
Haiku	7,222	7,822	8,257	8,201	8,479	9,447	9,436	8,319	7,952	8,142	9,391	7,835	109,018	100,503
H' Poko #1	88	12	96	0	65	7	0	0	0	0	0	0	388	268
H' Poko #2	76	9	156	10	112	17	0	0	0	0	133	0	673	513
Kaupakalua	16,999	17,927	17,461	17,605	18,526	21,136	19,594	18,745	18,298	16,719	16,772	17,502	235,961	217,282
Pookela	6,898	4,186	203	273	578	142	330	77	96	63	57	160	14,261	13,064
DAILY AVERAGE	1,117	966	872	842	925	992	947	905	850	831	850	822	11,623	909
<i>Lahaina</i>														
Kanaha 575	912	2,177	3,065	2,459	2,243	2,297	3,478	4,984	6,180	3,074	3,665	157	43,109	34,691
Kanaha 576	850	1,880	2,845	1,805	1,007	988	2,679	3,016	3,542	2,193	2,456	149	31,552	23,409
Waipuka 559	74	43	352	900	3,135	3,571	4,853	6,349	7,794	4,789	5,598	91	40,680	37,547
Waipuka 560	456	537	1,275	1,785	5,453	6,137	6,669	6,127	8,163	4,469	5,682	11	52,878	46,765
Napili A 569	6,184	6,417	3,662	4,365	9,359	4,023	1,807	6,811	8,161	6,065	3,894	3,946	71,264	64,696
Napili B 570	21,013	8,604	19,457	24,107	25,972	23,271	12,464	19,290	20,085	17,314	19,097	6,502	240,138	217,176
Napili C 571	27,660	33,003	23,342	7,148	61	26,165	24,519	8,032	7,091	21,642	21,788	27,046	231,537	227,495
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	1,772	13,227	16,173	20,594	28,325	9,329	19,450	22,984	17,848	12	46	15,715	182,064	165,474
DAILY AVERAGE	2,104	2,125	2,339	2,038	2,519	2,445	2,449	2,586	2,544	1,985	2,007	1,730	28,814	2,239
<i>Hana</i>														
Hamoia 597	7,484	7,981	6,312	1,120	183	1	639	353	808	119	484	2	34,047	25,488
Hamoia #2	0	0	1,635	6,476	7,390	8,196	7,655	7,978	7,551	7,551	7,928	8,331	70,690	70,690
Keanae #1	0	0	0	13	0	1,421	2,527	2,715	1,523	1	2,376	1,033	11,618	11,610
Keanae #2	2,229	2,672	2,587	2,742	2,905	1,406	1	1	1,408	2,877	676	664	22,553	20,169
Wakui 550 B	5,323	5,596	5,538	5,592	5,715	6,013	6,097	6,018	6,320	6,360	7,352	6,822	79,168	72,745
Wakui C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	537	524	536	514	540	550	546	569	568	564	607	544	7,035	550
<i>Molokai</i>														
Kawela 551	5	1	3	2	603	6	3	350	1,294	3	3,189	3,644	9,108	9,101
Kawela 552	3,293	3,771	3,915	3,813	3,063	4,256	4,268	2,949	2,160	3,402	412	10	38,880	35,311
Ualapue 553	4,810	3,894	3,908	5,736	13	5,568	2,457	2,595	5,429	5,064	5,469	1,941	52,043	46,885
Ualapue 554	3	1,453	2,856	278	6,537	1,723	3,580	2,688	804	1	0	4,334	24,258	24,258
Kualapuu	13,235	15,094	17,589	19,270	19,401	20,361	19,666	15,492	15,492	11,376	15,788	15,870	213,030	198,634
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	762	781	942	939	987	1,029	967	802	812	662	802	832	10,881	861

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 1/31/16	% Sustainable Yield	
Wailuku	Waikapu	3						
		Iao	20					
				Mokuhau 1	5330-09	13,257,000	36,321	0.18%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	829,958,000	2,273,858	11.37%
				Waihee 1	5431-02	377,229,000	1,033,504	5.17%
				Waihee 2	5431-03	341,781,000	936,386	4.68%
				Waihee 3	5431-04	1,048,144,000	2,871,627	14.36%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	357,006,000	978,099	4.89%
				Wailuku Shaft 33	5330-05	1,764,589,000	4,834,490	24.17%
				Kepaniwai	5332-05	264,072,000	723,485	3.62%
				Iao Tank Site Well	5230-02	130,483,000	357,488	1.79%
				Waikapu Well	5131-01	239,238,000	655,447	3.28%
				Wailuku 1	5230-04	0	0	0.00%
			Wailuku 2	5230-05	0	0	0.00%	
	Iao Subtotal					14,700,704	73.50%	
	Waihee	8						
			North Waihee # 1	5631-02	336,117,000	920,868	11.51%	
			North Waihee # 2	5631-03	253,349,000	694,107	8.68%	
			Kanoa 1	5731-02	321,293,000	880,255	11.00%	
			Kanoa 2	5731-04	304,667,000	834,704	10.43%	
			Kupaa	5731-03	378,297,000	1,036,430	12.96%	
	Waihee Subtotal					4,366,364	54.58%	
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
			Maui Lani #5	5229-04	55,355,000	151,658	15.17%	
			Maui Lani #6	5229-05	133,349,000	365,340	36.53%	
			Maui Lani #7	5229-06	192,028,000	526,104	52.61%	
	Kahului Subtotal					1,043,101	104.31%	
	Kamaole	11						
	Paia	7						
			Hamakuapoko 1	5420-02	268,000	734	0.01%	
			Hamakuapoko 2	5320-01	513,000	1,405	0.02%	
	Paia Subtotal					2,140	0.03%	
	Makawao	7						
			Pookela	5118-02	13,064,000	35,792	0.51%	
	Makawao Subtotal					35,792	0.51%	
Koolau	Haiku	27						
			Kaupakalua	5317-01	217,282,000	595,293	2.20%	
			Haiku	5419-01	100,503,000	275,351	1.02%	
	Haiku Subtotal					870,644	3.22%	
	Honopou	25						
	Waiakamoi	40						
	Keanae	83						
			Keanae 1	5108-01	11,610,000	31,808	0.04%	
			Keanae2	5108-02	20,169,000	55,258	0.07%	
	Keanae Subtotal					87,066	0.10%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 1/31/16	% Sustainable Yield				
Hana	Kuhiwa	14									
	Kawaipapa	48	Hamoia 1	4300-02	25,488,000	69,830	0.15%				
			Hamoia 2	4300-03	70,690,000	193,671	0.40%				
			Wakiu B	4600-03	72,745,000	199,301	0.42%				
			Wakiu C	4600-04	0	0	0.00%				
Kawaipapa Subtotal					462,803	0.96%					
Walhoi	18	Kipahulu	42								
Kahikinui	Kaupo	16									
	Nakula	7									
	Lualailua	11									
Lahaina	Honolua	8	Napili A	5838-01	64,696,000	177,249	2.22%				
			Napili B	5838-02	217,176,000	595,003	7.44%				
			Napili C	5838-04	227,495,000	623,274	7.79%				
			Honokahua A	5838-03	0	0	0.00%				
			Honokahua B	5938-01	165,474,000	453,353	5.67%				
	Honolua Subtotal					1,848,879	23.11%				
Honokowai	6										
Launiupoko	7	Kanaha 1	5339-03	34,691,000	95,044	1.36%					
							Kanaha 2	5339-04	23,409,000	64,134	0.92%
							Waipuka 1	5339-01	37,547,000	102,868	1.47%
							Waipuka 2	5339-02	46,765,000	128,123	1.83%
							Launiupoko Subtotal				
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 1/31/16	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	198,634,000	544,203	10.88%	10.88%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						544,203	10.88%	10.88%
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	44,412,000	121,677	2.43%	2.43%
		Kawela Subtotal						121,677	2.43%
	Ualapue	8	8						
				Ualapue	0449-01	71,143,000	194,912	2.44%	2.44%
	Ualapue Subtotal						194,912	2.44%	2.44%
Northeast	Waialua	6	8						
	Kalaupapa	2	0						
	Kahanui	3	0						
	Waikolu	5	4.5						
	Haupu	2	0						
	Pelekunu	9	0						
	Wailau	15	0						
	Halawa	8	0						

