

ALAN M. ARAKAWA
Mayor



DAVID TAYLOR, P.E.
Director

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PAUL J. MEYER
Deputy Director

**DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI**

OFFICE OF THE MAYOR

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

November 4, 2015

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

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COUNTY CLERK

APPROVED FOR TRANSMITTAL

Alan Arakawa 11/6/15
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 October 2015.

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,

Paul J. Meyer
DAVID TAYLOR
Director of Water Supply

Attachments

COUNTY COMMUNICATION 15-281

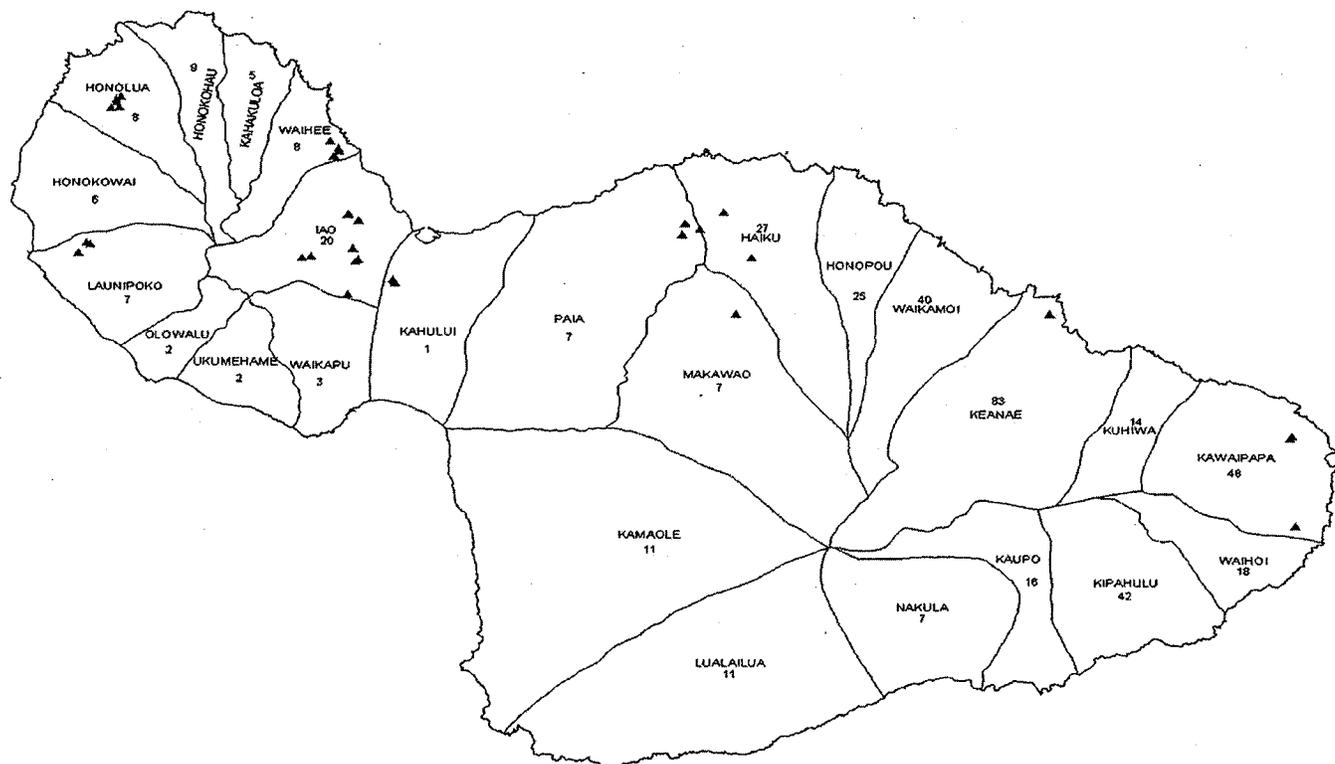
"By Water All Things Find Life"

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

WELL NAME	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Current Year	Last 12 Months
<i>Central</i>														
Mokuahu 501	13,415	6,136	1,477	1,098	0	0	0	0	3	0	533	2,318	5,429	24,980
Mokuahu 503	68,369	64,749	67,130	57,003	56,864	69,664	79,135	79,617	91,173	98,402	62,152	40,849	701,989	835,108
Waihee 577	33,328	40,094	35,344	20,761	29,030	31,248	29,885	29,111	37,856	40,578	22,915	29,322	306,049	379,471
Waihee 578	35,681	29,611	28,629	16,451	22,311	22,448	29,022	32,638	31,783	31,829	27,427	23,690	266,227	331,519
Waihee 579	79,659	78,824	75,735	53,945	72,029	87,971	92,755	92,176	105,935	98,936	90,043	89,762	859,288	1,017,772
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	29,160	27,788	27,901	24,091	26,439	29,088	29,354	30,726	32,835	32,266	30,440	29,901	293,041	349,989
Wailuku Shaft 33	144,152	149,030	148,090	134,325	151,216	146,328	151,432	147,052	152,188	136,702	146,779	152,537	1,466,648	1,759,830
Iao	3,807	1,730	3,476	1,409	6,410	13,395	15,062	2,790	19,191	3,432	12,223	37,960	115,348	120,886
Waikapu	30,420	29,993	31,316	29,472	30,301	20,066	0	0	0	295	29,823	30,564	171,837	232,251
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	14,600	13,805	13,519	12,091	12,729	14,007	13,763	13,804	15,192	14,272	14,078	14,094	17,226	13,841
Kepaniwa'i 511	21,816	22,484	22,037	20,224	22,543	21,815	22,537	21,816	22,535	22,543	21,599	22,313	219,962	264,262
Iao Tunnel	45,410	47,948	47,238	42,831	47,830	46,339	45,501	43,845	45,673	46,520	45,255	46,668	457,699	551,057
DAILY AVERAGE	2,241	2,272	2,235	2,252	2,270	2,272	2,195	2,189	2,200	2,228	2,228	2,225	2,789	2,234
N. Waihee #1	21,890	22,294	28,765	26,381	28,876	27,968	28,824	27,857	27,054	28,202	27,801	28,628	280,355	324,540
N. Waihee #2	26,717	27,623	10,360	19,216	21,740	20,851	21,724	21,002	20,923	21,727	20,615	21,425	199,582	253,922
Kanoa #1	30,827	28,992	29,454	25,082	29,325	28,565	29,598	28,383	27,690	29,444	28,870	30,069	286,480	346,299
Kanoa #2	25,438	26,897	27,667	25,122	26,888	25,975	26,925	26,547	28,440	26,584	27,056	27,960	269,164	321,498
Kupaa	0	0	0	0	990	41,283	41,313	41,343	46,439	46,473	46,506	46,540	310,888	310,888
DAILY AVERAGE	3,496	3,413	3,105	3,421	3,478	4,821	4,787	4,838	4,856	4,917	5,028	4,988	5,541	4,266
Maui Lani #5	5,573	5,303	566	0	481	4,968	5,753	5,582	4,907	5,259	5,553	5,836	38,906	49,782
Maui Lani #6	130	9,369	10,799	8,989	11,154	11,441	11,743	11,317	11,488	11,434	11,060	11,577	110,402	119,901
Maui Lani #7	16,401	15,686	15,514	12,241	16,718	15,673	16,883	16,282	15,912	16,451	16,114	16,719	158,506	190,594
DAILY AVERAGE	737	979	867	737	915	1,069	1,109	1,106	1,042	1,069	1,091	1,101	1,267	987
<i>UpCountry</i>														
Haiku	8,086	7,794	8,515	7,222	7,822	8,257	8,201	8,479	9,447	9,436	8,319	7,952	83,650	99,530
H' Poko #1	77	26	120	88	12	96	0	65	7	0	0	0	388	491
H' Poko #2	266	87	161	76	9	156	10	112	17	0	0	0	540	893
Kaupakalua	17,354	17,774	18,679	16,999	17,927	17,461	17,605	18,526	21,136	19,594	18,745	18,298	184,969	220,097
Pookela	114	169	1,198	6,898	4,186	203	273	578	142	330	77	96	13,982	14,265
DAILY AVERAGE	863	834	925	1,117	966	872	842	925	992	947	905	850	1,167	919
<i>Lahaina</i>														
Kanaha 575	2,688	3,815	8,418	912	2,177	3,065	2,459	2,243	2,297	3,478	4,984	6,180	36,213	42,716
Kanaha 576	2,116	3,638	8,142	850	1,880	2,845	1,805	1,007	988	2,679	3,016	3,542	26,754	32,509
Waipuka 559	155	588	3,133	74	43	352	900	3,135	3,571	4,853	6,349	7,794	30,203	30,945
Waipuka 560	651	1,767	6,114	456	537	1,275	1,785	5,453	6,137	6,669	6,127	8,163	42,716	45,134
Napili A 569	4,285	4,649	6,568	6,184	6,417	3,662	4,365	9,359	4,023	1,807	6,811	8,161	57,359	66,292
Napili B 570	22,423	20,999	22,962	21,013	8,604	19,457	24,107	25,972	23,271	12,464	19,290	20,085	197,225	240,646
Napili C 571	16,793	12,036	4,042	27,660	33,003	23,342	7,148	61	26,165	24,519	8,032	7,091	161,061	189,890
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	19,433	22,913	16,590	1,772	13,227	16,173	20,594	28,325	9,329	19,450	22,984	17,848	166,292	208,637
DAILY AVERAGE	2,285	2,271	2,451	2,104	2,125	2,339	2,038	2,519	2,445	2,449	2,586	2,544	2,954	2,347
<i>Hana</i>														
Hamo'a 597	7,810	8,030	8,560	7,484	7,981	6,312	1,120	183	1	639	353	808	33,442	49,282
Hamo'a #2	0	0	0	0	0	1,635	6,476	7,390	8,196	7,655	7,978	7,551	46,880	46,880
Keanae #1	64	1	8	0	0	0	13	0	1,421	2,527	2,715	1,523	8,208	8,273
Keanae #2	2,264	2,333	2,384	2,229	2,672	2,587	2,742	2,905	1,406	1	1	1,408	18,336	22,933
Wakiu 550 B	6,014	6,325	6,423	5,323	5,596	5,538	5,592	5,715	6,013	6,097	6,018	6,320	58,634	70,973
Wakiu C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	538	538	560	537	524	536	514	540	550	546	569	568	681	543
<i>Molokai</i>														
Kawela 551	5	8	7	5	1	3	2	603	6	3	350	1,294	2,272	2,285
Kawela 552	3,846	3,627	3,569	3,293	3,771	3,915	3,813	3,063	4,256	4,268	2,949	2,160	35,056	42,528
Ualapue 553	1	3,638	5,158	4,810	3,894	3,908	5,736	13	5,568	2,457	2,595	5,429	39,569	43,208
Ualapue 554	5,452	1,421	0	3	1,453	2,856	278	6,537	1,723	3,580	2,688	804	19,922	26,795
Kualapuu	15,658	15,675	14,396	13,235	15,094	17,589	19,270	19,401	20,361	19,666	15,492	15,492	169,996	201,329
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	832	786	746	762	781	942	939	987	1,029	967	802	812	1,098	866

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 10/31/15	% Sustainable Yield	
Wailuku	Waikapu	3						
		lao	20					
				Mokuhau 1	5330-09	24,980,000	68,438	0.34%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	835,108,000	2,287,967	11.44%
				Waihee 1	5431-02	379,471,000	1,039,647	5.20%
				Waihee 2	5431-03	331,519,000	908,271	4.54%
				Waihee 3	5431-04	1,017,772,000	2,788,416	13.94%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	349,989,000	958,874	4.79%
				Wailuku Shaft 33	5330-05	1,759,830,000	4,821,452	24.11%
				Kepaniwai	5332-05	264,262,000	724,005	3.62%
				lao Tank Site Well	5230-02	120,886,000	331,195	1.66%
	Waikapu Well	5131-01	232,251,000	636,304	3.18%			
	Wailuku 1	5230-04	0	0	0.00%			
	Wailuku 2	5230-05	0	0	0.00%			
	lao Subtotal				14,564,570	72.82%		
	Waihee	8						
			North Waihee # 1	5631-02	324,540,000	889,151	11.11%	
			North Waihee # 2	5631-03	253,922,000	695,677	8.70%	
			Kanoa 1	5731-02	346,299,000	948,764	11.86%	
			Kanoa 2	5731-04	321,498,000	880,816	11.01%	
	Kupaa	5731-03	310,888,000	851,748	10.65%			
	Waihee Subtotal				4,266,156	53.33%		
	Kahakuloa	5						
	Honokohau	9						
Central	Kahului	1						
				Maui Lani #5	5229-04	49,782,000	136,389	13.64%
				Maui Lani #6	5229-05	119,901,000	328,496	32.85%
		Maui Lani #7	5229-06	190,594,000	522,175	52.22%		
		Kahului Subtotal				987,060	98.71%	
		Kamaole	11					
	Paia	7						
			Hamakuapoko 1	5420-02	491,000	1,345	0.02%	
			Hamakuapoko 2	5320-01	893,000	2,447	0.03%	
	Paia Subtotal				3,792	0.05%		
	Makawao	7						
			Pookela	5118-02	14,265,000	39,082	0.56%	
	Makawao Subtotal				39,082	0.56%		
Koolau	Haiku	27						
				Kaupakalua	5317-01	220,097,000	603,005	2.23%
		Haiku	5419-01	99,530,000	272,685	1.01%		
		Haiku Subtotal				875,690	3.24%	
	Honopou	25						
	Waiakamoi	40						
	Keanae	83						
			Keanae 1	5108-01	8,273,000	22,666	0.03%	
			Keanae 2	5108-02	22,933,000	62,830	0.08%	
	Keanae Subtotal				85,496	0.10%		

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 10/31/15	% Sustainable Yield
Hana	Kuhiwa	14					
	Kawaipapa	48	Hamoia 1	4300-02	49,282,000	135,019	0.28%
			Hamoia 2	4300-03	46,880,000	128,438	0.27%
			Wakiu B	4600-03	70,973,000	194,447	0.41%
			Wakiu C	4600-04	0	0	0.00%
Kawaipapa Subtotal					457,904	0.95%	
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honolua	8	Napili A	5838-01	66,292,000	181,622	2.27%
			Napili B	5838-02	240,646,000	659,304	8.24%
			Napili C	5838-04	189,890,000	520,247	6.50%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	208,637,000	571,608	7.15%
	Honolua Subtotal					1,932,781	24.16%
	Honokowai	6					
	Launiupoko	7	Kanaha 1	5339-03	42,716,000	117,030	1.67%
			Kanaha 2	5339-04	32,509,000	89,066	1.27%
			Waipuka 1	5339-01	30,945,000	84,781	1.21%
			Waipuka 2	5339-02	45,134,000	123,655	1.77%
	Launiupoko Subtotal					414,532	5.92%
	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 10/31/15	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	201,329,000	551,586	11.03%	11.03%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						551,586	11.03%	11.03%
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	44,813,000	122,775	2.46%	2.46%
	Kawela Subtotal						122,775	2.46%	2.46%
	Ualapue	8	8						
				Ualapue	0449-01	70,003,000	191,789	2.40%	2.40%
	Ualapue Subtotal						191,789	2.40%	2.40%
Northeast	Waialua	6	8						
	Kalaupapa	2	0						
	Kahanui	3	0						
	Waikolu	5	4.5						
	Hauptu	2	0						
	Pelekunu	9	0						
	Wailau	15	0						
Halawa	8	0							

