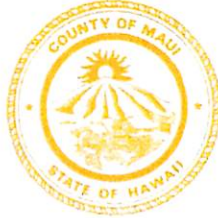


MICHAEL P. VICTORINO
Mayor

JEFFREY T. PEARSON, P.E.
Director

HELENE KAU
Deputy Director



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2019 MAR -5 AM 10:14
OFFICE OF THE MAYOR

DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI
200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793
www.mauiwater.org

March 4, 2019

Honorable Michael P. Victorino,
Mayor, County of Maui
200 South High Street
Wailuku, Hawaii 96793

For transmittal to:

Honorable Kelly T. King, Chair
and Members of the Maui County Council
200 South High Street
Wailuku, Hawaii 96793

Dear Chair King 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 2019.

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. 7834.

Sincerely,

Handwritten signature of Jeffrey T. Pearson in black ink.

JEFFREY T. PEARSON, P.E.
Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 19-132

"By Water All Things Find Life"

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COUNTY CLERK
APPROVED FOR TRANSMITTAL
Michael P. Vit 3/6/19
Mayor Date

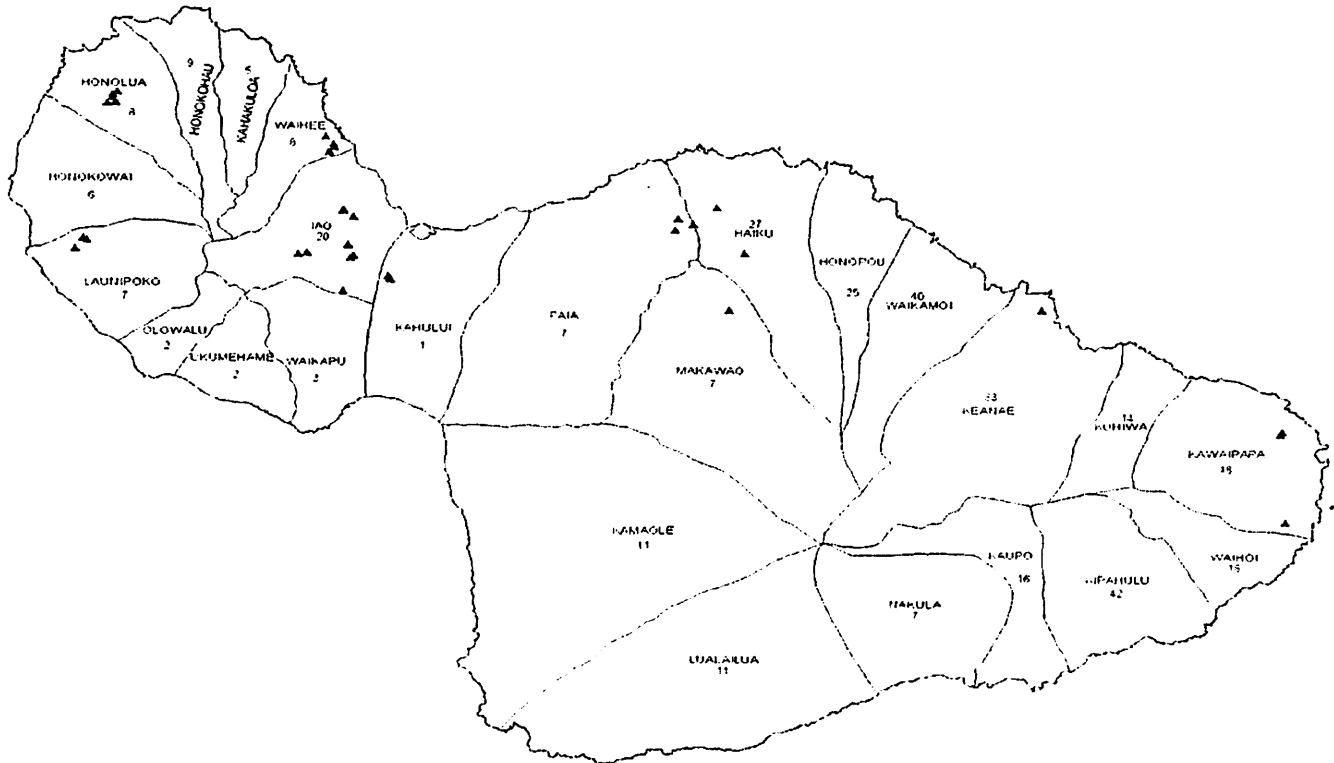
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	60,782	36,900	26,906	10,529	5,954	5,095	6,954	13,895	2,129	53	1,848	1,260	3,108	172,305
Mokuhau 503	62,807	42,302	42,601	73,744	88,528	80,186	73,744	79,107	72,752	71,350	72,937	51,824	124,761	811,882
Waihee 577	34,552	31,654	44,064	48,583	57,112	48,300	61,600	59,391	71,434	56,720	48,468	38,573	87,041	600,450
Waihee 578	40,028	27,232	45,752	49,294	52,874	47,002	43,205	51,837	59,549	49,091	42,530	40,065	82,596	548,460
Waihee 579	116,028	102,719	119,869	115,425	121,545	114,312	101,291	107,822	86,195	105,339	121,523	74,522	196,045	1,286,590
Waihu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waihu Hts 515	31,801	30,365	32,719	37,771	38,079	35,714	33,880	33,798	30,896	31,501	33,365	27,396	60,761	397,285
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	12,097	40,153	14,500	32,396	35,563	34,954	11,840	7,151	21,686	48,968	39,308	39,383	78,691	338,000
Waikapu	28,827	25,575	29,514	36,609	38,331	34,826	32,130	36,210	34,088	33,777	34,938	20,597	55,535	385,421
Wailuku 1	4,073	276	64,020	65,556	66,459	49,574	49,245	48,326	12,662	12,061	6,217	12,085	18,302	390,554
Wailuku 2	64,789	64,832	64,879	64,924	64,970	65,017	65,062	65,108	65,153	65,200	65,246	65,288	130,534	780,466
DAILY AVERAGE	14,703	13,400	15,639	17,828	18,368	16,612	15,965	16,214	15,218	15,292	15,045	13,260	14,193	15,648
Kepaniwai 511	22,320	21,595	22,320	21,454	22,141	22,038	21,492	22,320	21,600	22,238	22,320	19,525	41,845	261,362
Iao Tunnel	47,987	46,648	47,809	47,434	48,584	49,125	47,362	48,854	47,702	49,273	49,230	44,150	93,380	574,158
DAILY AVERAGE	2,268	2,275	2,262	2,286	2,281	2,296	2,295	2,296	2,310	2,307	2,308	2,274	2,292	2,289
N. Waihee #1	21,198	22,278	23,474	21,498	22,474	30,025	25,739	22,767	23,275	21,441	21,788	18,845	40,633	274,802
N. Waihee #2	26,093	26,254	27,217	26,484	27,448	22,250	21,359	26,328	26,981	23,103	25,760	22,066	47,825	301,341
Kanoa #1	13,683	18,454	20,061	17,853	18,759	30,596	24,949	17,911	17,401	7,570	14,356	10,294	24,650	211,887
Kanoa #2	17,765	19,506	19,081	19,374	19,809	15,652	19,981	18,693	18,526	29,514	19,443	16,543	35,986	233,887
Kupaa	39,391	32,995	32,995	40,073	43,963	37,801	38,163	37,420	32,065	48,741	39,263	27,014	66,277	449,884
DAILY AVERAGE	3,811	3,983	3,962	4,176	4,273	4,398	4,340	3,972	3,942	4,205	3,891	3,384	3,650	4,032
Maui Lani #5	5,955	5,774	5,642	5,724	5,891	5,943	6,115	5,920	5,734	5,964	5,969	8,526	14,495	73,157
Maui Lani #6	11,376	10,956	11,364	11,001	11,348	11,346	11,209	11,326	11,009	11,376	11,368	16,704	28,072	140,383
Maui Lani #7	16,772	16,241	16,399	16,201	16,756	16,671	16,411	16,698	16,197	16,753	16,828	11,848	28,676	193,773
DAILY AVERAGE	1,100	1,099	1,078	1,098	1,097	1,095	1,125	1,095	1,098	1,100	1,102	1,324	1,208	1,116
<i>UpCountry</i>														
Haiuku	8,794	8,810	8,990	1,558	1,192	3,336	8,601	8,131	7,743	7,728	8,412	7,916	16,328	81,411
H' Poko #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H' Poko #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kaupakalua	15,805	14,237	14,424	15,293	16,742	15,709	14,631	15,359	16,366	22,750	15,909	14,007	29,917	191,233
Pookala	89	172	42	167	28	81	122	133	23	121	265	236	500	1,478
DAILY AVERAGE	796	774	757	567	579	617	785	762	804	987	793	791	792	751
<i>Lahaina</i>														
Kanaha 575	323	1,037	1,130	3,818	7,161	3,610	2,325	1,992	1,598	757	4,116	635	4,750	28,501
Kanaha 576	119	757	142	2,071	2,326	232	1,263	1,253	16	75	266	239	505	8,758
Waipuka 559	47	2	0	3,799	7,714	2,693	1,147	730	58	1,183	1,514	241	1,755	19,129
Waipuka 560	577	1,184	1,241	3,288	1,684	2,431	2,338	2,378	2,011	166	3,280	587	3,867	21,164
Napili A 569	13,615	27,330	23,263	23,489	22,309	15,823	6,152	3,305	1,159	420	1,127	438	1,565	138,430
Napili B 570	25,796	3,958	0	0	0	0	0	0	0	0	0	0	0	29,753
Napili C 571	0	0	0	0	54	9,739	27,483	40,136	37,515	40,443	40,053	37,522	77,575	232,944
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	0	0	18,809	29,808	30,618	20,400	7,869	9,102	3,636	6,062	6,763	1,575	8,338	134,641
DAILY AVERAGE	1,306	1,142	1,438	2,209	2,318	1,772	1,619	1,900	1,533	1,584	1,843	1,473	1,667	1,680
<i>Hana</i>														
Hamoā 597	2,825	3,278	3,487	3,424	970	2,555	4,361	1,543	5,033	418	4,484	1,447	5,931	33,824
Hamoā #2	1,969	1,292	1,028	1,510	4,475	3,219	1,324	4,058	2	5,678	1,222	3,463	4,685	29,238
Keanae #1	740	21	753	617	365	872	601	234	695	880	787	725	1,512	7,289
Keanae #2	462	930	217	520	474	5	150	589	1	0	1	0	1	3,349
Waiuku 550 B	818	49	2,493	2,130	1,682	2,225	1,282	3,546	2,293	2,029	1,932	2,038	3,970	22,517
Waiuku C	3,140	5,101	1,488	2,955	2,057	1,659	2,518	607	1	2	318	4	322	19,851
DAILY AVERAGE	321	356	305	372	323	340	341	341	267	291	282	274	278	318
<i>Molokai</i>														
Kawela 551	2	0	0	1	0	1	1	7	8	6	9	4	13	38
Kawela 552	4,031	3,279	4,607	5,258	5,081	3,871	3,932	4,437	4,724	4,424	4,301	3,404	7,705	51,348
Ualapue 553	2,645	4,158	3,541	3,812	2,774	2,066	3,381	2,383	681	1,642	4,137	3,090	7,227	34,310
Ualapue 554	3,080	1,192	2,926	3,049	4,320	5,028	1,529	2,543	4,480	3,899	1,196	1,243	2,438	34,484
Kualapuu	15,603	14,796	16,366	18,473	19,394	18,639	16,041	16,191	16,592	14,639	15,558	10,438	25,996	192,731
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	818	781	885	1,020	1,018	955	829	825	883	794	813	649	735	857

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 2/28/19	% Sustainable Yield
Wailuku	Waikapu	3					
	lao	20	Mokuhau 1	5330-09	172,305,000	472,068	2.36%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	811,882,000	2,224,334	11.12%
			Waihee 1	5431-02	600,450,000	1,645,068	8.23%
			Waihee 2	5431-03	548,460,000	1,502,630	7.51%
			Waihee 3	5431-04	1,286,590,000	3,524,904	17.62%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	397,285,000	1,088,452	5.44%
			Wailuku Shaft 33	5330-05	0	0	0.00%
			Kepaniwai	5332-05	261,362,000	716,060	3.58%
			lao Tank Site Well	5230-02	338,000,000	926,027	4.63%
			Waikapu Well	5131-01	385,421,000	1,055,948	5.28%
			Wailuku 1	5230-04	390,554,000	1,070,011	5.35%
			Wailuku 2	5230-05	780,466,000	2,138,263	10.69%
			lao Subtotal				
Waihee	8	North Waihee # 1	5631-02	274,802,000	752,882	9.41%	
		North Waihee # 2	5631-03	301,341,000	825,592	10.32%	
		Kanoa 1	5731-02	211,887,000	580,512	7.26%	
		Kanoa 2	5731-04	233,887,000	640,786	8.01%	
		Kupaa	5731-03	449,884,000	1,232,559	15.41%	
		Waihee Subtotal					4,032,332
Kahakuloa	5						
Central	Kahului	1	Maui Lani #5	5229-04	73,157,000	200,430	20.04%
			Maui Lani #6	5229-05	140,383,000	384,611	38.46%
			Maui Lani #7	5229-06	193,773,000	530,885	53.09%
			Kahului Subtotal				
Kamaole	11						
Paia	7	Hamakuapoko 1	5420-02	0	0	0.00%	
		Hamakuapoko 2	5320-01	0	0	0.00%	
		Paia Subtotal					0
Makawao	7	Pookela	5118-02	1,478,000	4,049	0.06%	
		Makawao Subtotal					4,049
Koolau	Haiku	27	Kaupakalua	5317-01	191,233,000	523,926	1.94%
			Haiku	5419-01	81,411,000	223,044	0.83%
	Haiku Subtotal					0	2.77%
	Honopou	25					
Waikamoi	40						
Keanae	83	Keanae 1	5108-01	7,289,000	19,970	0.02%	
		Keanae 2	5108-02	3,349,000	9,175	0.01%	
		Keanae Subtotal					29,145
Hana	Kuhiwa	14					
	Kawaipapa	48	Hamoia 1	4300-02	33,824,000	92,668	0.19%
Hamoia 2			4300-03	29,238,000	80,104	0.17%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 2/28/19	% Sustainable Yield
			Wakiu B	4600-03	22,517,000	61,690	0.13%
			Wakiu C	4600-04	19,851,000	54,386	0.11%
	Kawaipapa Subtotal					288,849	0.60%
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	138,430,000	379,260	4.74%
			Napili B	5838-02	29,753,000	81,515	1.02%
			Napili C	5838-04	232,944,000	638,203	7.98%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	134,641,000	368,879	4.61%
	Honolua Subtotal					1,467,858	18.35%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	28,501,000	78,085	1.12%
			Kanaha 2	5339-04	8,758,000	23,995	0.34%
			Waipuka 1	5339-01	19,129,000	52,408	0.75%
			Waipuka 2	5339-02	21,164,000	57,984	0.83%
	Launiupoko Subtotal					212,471	3.04%
	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 2/28/19	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	192,731,000	528,030	10.56%	10.56%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal					528,030	10.56%	10.56%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	51,386,000	140,784	2.82%	2.82%
								140,784	2.82%
		Ualapue	8	8					
		Ualapue Subtotal					188,477	2.36%	2.36%
	Ualapue			Ualapue	0449-01	68,794,000	188,477	2.36%	2.36%
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						

