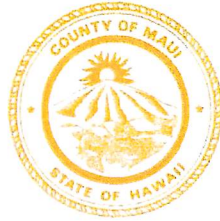


MICHAEL P. VICTORINO
Mayor

JEFFREY T. PEARSON, P.E.
Director

HELENE KAU
Deputy Director



RECEIVED

2019 APR -5 PM 3: 22

OFFICE OF THE MAYOR

DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI
200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAI'I 96793
www.mauewater.org

April 4, 2019

OFFICE OF THE
COUNTY CLERK

2019 APR -8 PM 2: 20

RECEIVED

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

APPROVED FOR TRANSMITTAL

Michael P. Victorino
Mayor

4/2/19
Date

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 March 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,

Jeffrey T. Pearson

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

Attachments

COUNTY COMMUNICATION NO. 19.170

"By Water All Things Find Life"

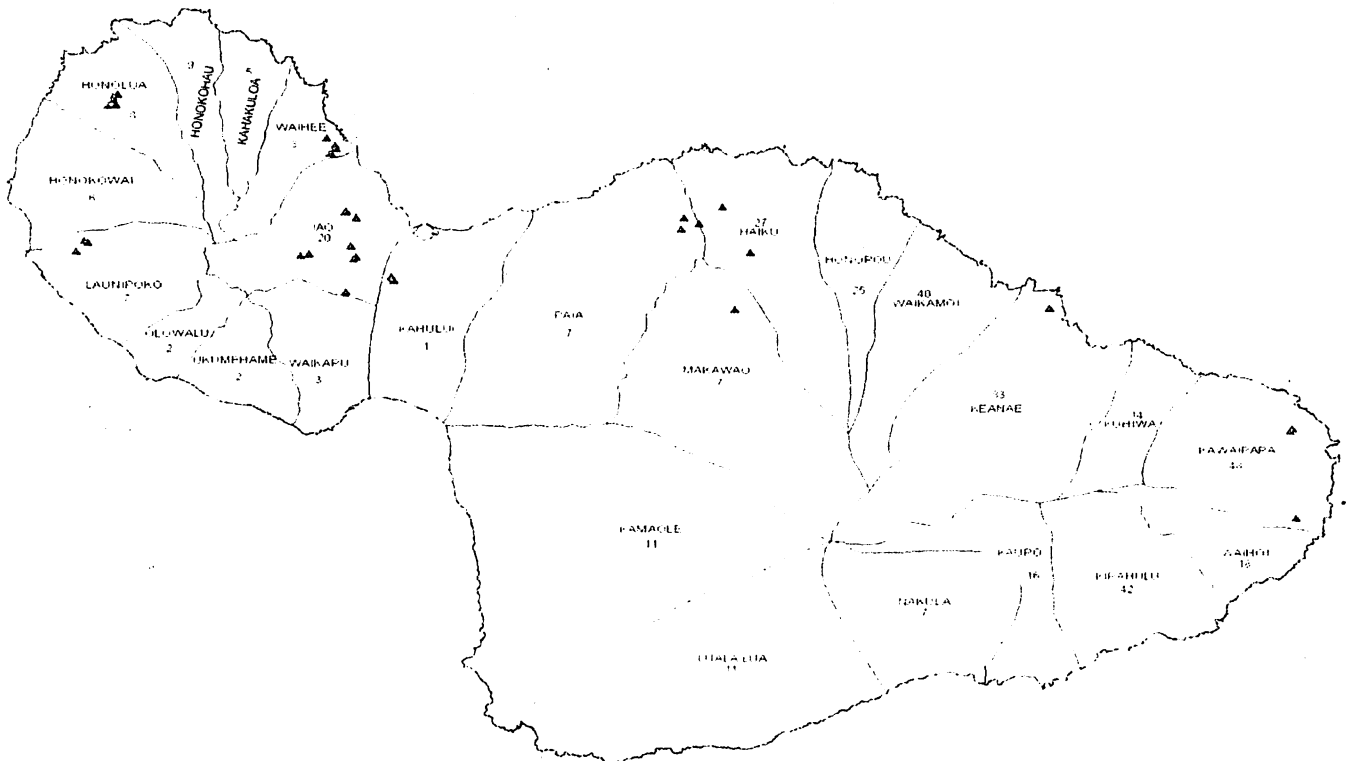
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	36,900	26,906	10,529	5,954	5,095	6,954	13,895	2,129	53	1,848	1,260	4,186	7,295	115,710
Mokuhau 503	42,302	42,601	73,744	88,528	80,186	73,744	79,107	72,752	71,350	72,937	51,824	84,533	209,294	833,609
Waihee 577	31,654	44,064	48,583	57,112	48,300	61,600	59,391	71,434	56,720	48,468	38,573	72,635	159,676	638,533
Waihee 578	27,232	45,752	49,294	52,874	47,002	43,205	51,837	59,549	49,091	42,530	40,065	65,783	148,379	574,215
Waihee 579	102,719	119,869	115,425	121,545	114,312	101,291	107,822	86,195	105,339	121,523	74,522	82,562	278,606	1,253,123
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	30,365	32,719	37,771	38,079	35,714	33,880	33,798	30,896	31,501	33,365	27,396	32,916	93,678	398,400
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	40,153	14,500	32,396	35,563	34,954	11,840	7,151	21,686	48,968	39,308	39,383	37,290	115,982	363,193
Waikapu	25,575	29,514	36,809	38,331	34,826	32,130	36,210	34,088	33,777	34,938	20,597	0	55,535	356,594
Wailuku 1	276	64,020	65,556	66,459	49,574	49,245	48,326	12,662	12,061	6,217	12,085	4,821	23,123	391,301
Wailuku 2	64,832	64,879	64,924	64,970	65,017	65,062	65,108	65,153	65,200	65,246	65,288	65,334	195,868	781,012
DAILY AVERAGE	13,400	15,639	17,828	18,368	16,612	15,965	16,214	15,218	15,292	15,045	13,250	14,518	14,305	15,632
Kepaniwai 511	21,595	22,320	21,454	22,141	22,038	21,492	22,320	21,600	22,238	22,320	19,525	22,320	64,165	261,362
Iao Tunnel	46,648	47,809	47,434	48,584	49,125	47,362	48,854	47,702	49,273	49,230	44,150	49,110	142,490	575,282
DAILY AVERAGE	2,275	2,262	2,296	2,281	2,296	2,295	2,296	2,310	2,307	2,308	2,274	2,304	6,886	2,292
N. Waihee #1	22,278	23,474	21,498	22,474	30,025	25,739	22,767	23,275	21,441	21,788	18,845	21,979	62,612	275,583
N. Waihee #2	26,254	27,217	26,484	27,448	22,250	21,359	26,328	26,981	23,103	25,760	22,066	26,965	74,790	302,214
Kanoa #1	18,454	20,061	17,853	18,759	30,596	24,949	17,911	17,401	7,570	14,356	10,294	14,943	39,593	213,147
Kanoa #2	19,506	19,081	19,374	19,809	15,652	19,981	18,693	18,526	29,514	19,443	16,543	19,401	55,386	235,523
Kupaa	32,995	32,995	40,073	43,963	37,801	38,163	37,420	32,065	48,741	39,263	27,014	42,390	108,666	452,882
DAILY AVERAGE	3,983	3,962	4,176	4,273	4,398	4,340	3,972	3,942	4,205	3,891	3,384	4,054	11,329	4,053
Maui Lani #5	5,774	5,642	5,724	5,891	5,943	6,115	5,920	5,734	5,964	5,969	8,526	3,476	17,971	70,678
Maui Lani #6	10,956	11,364	11,001	11,348	11,346	11,209	11,326	11,009	11,376	11,368	16,704	16,337	44,409	145,344
Maui Lani #7	16,241	16,399	16,201	16,756	16,671	16,411	16,698	16,197	16,753	16,828	11,848	14,388	43,064	191,388
DAILY AVERAGE	1,099	1,078	1,098	1,097	1,095	1,125	1,095	1,098	1,100	1,102	1,324	1,103	1,172	1,116
<i>UpCountry</i>														
Haiku	8,810	8,990	1,558	1,192	3,336	8,801	8,131	7,743	7,728	8,412	7,916	7,592	23,919	80,208
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	14,237	14,424	15,293	16,742	15,709	14,631	15,359	16,366	22,750	15,909	14,007	15,404	45,321	190,833
Pookela	172	42	167	28	81	122	133	23	121	265	84	584	584	1,473
DAILY AVERAGE	774	757	567	579	617	785	762	804	987	793	791	745	776	747
<i>Lahaina</i>														
Kanaha 575	1,037	1,130	3,818	7,161	3,610	2,325	1,992	1,598	757	4,116	635	1,421	6,171	29,599
Kanaha 576	757	142	2,071	2,326	232	1,263	1,253	16	75	266	239	539	1,043	9,177
Waipuka 559	2	0	3,799	7,714	2,693	1,147	730	58	1,183	1,514	241	1,047	2,802	20,129
Waipuka 560	1,184	1,241	3,288	1,684	2,431	2,338	2,378	2,011	166	3,280	587	1,569	5,435	22,156
Napili A 569	27,330	23,263	23,489	22,309	15,823	6,152	3,305	1,159	420	1,127	438	1,274	2,839	126,089
Napili B 570	3,958	0	0	0	0	0	0	0	0	0	0	245	245	4,203
Napili C 571	0	0	54	9,739	27,483	40,136	37,515	40,443	40,053	37,522	41,518	119,093	274,462	
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	0	18,809	29,808	30,618	20,400	7,869	9,102	3,636	6,062	6,763	1,575	6,901	15,239	141,542
DAILY AVERAGE	1,142	1,438	2,209	2,318	1,772	1,619	1,900	1,533	1,584	1,843	1,473	1,758	1,699	1,719
<i>Hana</i>														
Hamoia 597	3,278	3,487	3,424	970	2,555	4,361	1,543	5,033	418	4,484	1,447	13	5,943	31,013
Hamoia #2	1,292	1,028	1,510	4,475	3,219	1,324	4,058	2	5,678	1,222	3,463	5,936	10,620	33,204
Keanae #1	21	753	617	365	872	601	234	695	880	787	725	857	2,369	7,407
Keanae #2	930	217	520	474	5	150	589	1	0	1	0	1	2	2,888
Wakiu 550 B	49	2,493	2,130	1,682	2,225	1,282	3,546	2,293	2,029	1,932	2,038	2,286	6,256	23,985
Wakiu C	5,101	1,488	2,955	2,057	1,659	2,518	607	1	2	318	4	35	357	16,746
DAILY AVERAGE	356	305	372	323	340	341	341	267	291	282	274	294	284	316
<i>Molokai</i>														
Kawela 551	0	0	1	0	1	1	7	8	6	9	4	5	18	42
Kawela 552	3,279	4,607	5,258	5,081	3,871	3,932	4,437	4,724	4,424	4,301	3,404	4,347	12,052	51,665
Ualapue 553	4,158	3,541	3,812	2,774	2,066	3,381	2,383	681	1,642	4,137	3,090	2,573	9,800	34,238
Ualapue 554	1,192	2,926	3,049	4,320	5,028	1,529	2,543	4,480	3,899	1,196	1,243	3,628	6,067	35,033
Kualapuu	14,796	16,366	18,473	19,394	18,639	16,041	16,191	16,592	14,639	15,558	10,438	15,266	41,262	192,394
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	781	885	1,020	1,018	955	829	825	883	794	813	649	833	769	859

DWS Groundwater Use - Island of Maui

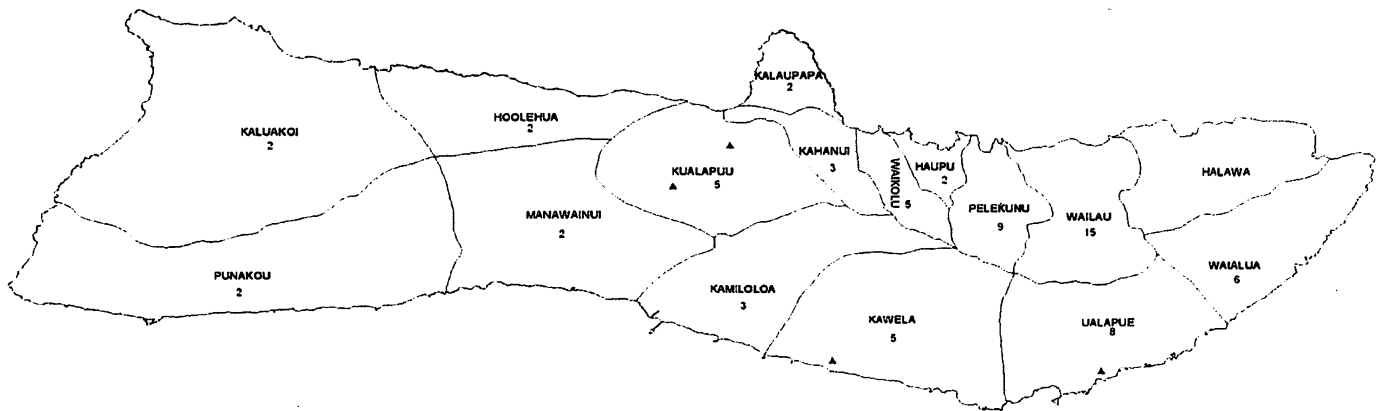
Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 3/31/19	% Sustainable Yield		
Wailuku	Waikapu	3							
		lao	20						
				Mokuhau 1	5330-09	115,710,000	317,014	1.59%	
				Mokuhau 2	5330-10	0	0	0.00%	
				Mokuhau 3	5330-11	833,609,000	2,283,860	11.42%	
				Waihee 1	5431-02	638,533,000	1,749,405	8.75%	
				Waihee 2	5431-03	574,215,000	1,573,192	7.87%	
				Waihee 3	5431-04	1,253,123,000	3,433,214	17.17%	
				Waiehu Heights 1	5430-01	0	0	0.00%	
				Waiehu Heights 2	5430-02	398,400,000	1,091,507	5.46%	
				Wailuku Shaft 33	5330-05	0	0	0.00%	
				Kepaniwai	5332-05	261,362,000	716,060	3.58%	
				Iao Tank Site Well	5230-02	363,193,000	995,049	4.98%	
				Waikapu Well	5131-01	356,594,000	976,970	4.88%	
				Wailuku 1	5230-04	391,301,000	1,072,058	5.36%	
				Wailuku 2	5230-05	781,012,000	2,139,759	10.70%	
	Iao Subtotal				16,348,088	81.74%			
Waihee	Waihee	8							
				North Waihee # 1	5631-02	275,583,000	755,022	9.44%	
				North Waihee # 2	5631-03	302,214,000	827,984	10.35%	
				Kanoa 1	5731-02	213,147,000	583,964	7.30%	
				Kanoa 2	5731-04	235,523,000	645,268	8.07%	
				Kupaa	5731-03	452,882,000	1,240,773	15.51%	
	Waihee Subtotal				4,053,011	50.66%			
Kahakuloa	Kahakuloa	5							
Central	Kahului	1							
				Mauī Lani #5	5229-04	70,678,000	193,638	19.36%	
				Mauī Lani #6	5229-05	145,344,000	398,203	39.82%	
		Kahului Subtotal				1,116,192	111.62%		
Kamaole	Kamaole	11							
Paia	Paia	7							
				Hamakuapoko 1	5420-02	0	0	0.00%	
				Hamakuapoko 2	5320-01	0	0	0.00%	
	Paia Subtotal				0	0.00%			
Makawao	Makawao	7							
				Pookela	5118-02	1,473,000	4,036	0.06%	
	Makawao Subtotal				4,036	0.06%			
Koolau	Haiku	27							
				Kaupakalua	5317-01	190,833,000	522,830	1.94%	
				Haiku	5419-01	80,208,000	219,748	0.81%	
		Haiku Subtotal				0	2.75%		
Honopou	Honopou	25							
Kanae	Kanae	83							
				Keanae 1	5108-01	7,407,000	20,293	0.02%	
				Keanae 2	5108-02	2,888,000	7,912	0.01%	
				Keanae Subtotal				28,205	0.03%
Hana	Kuhiwa	14							
Kawaipapa	Kawaipapa	48							
				Hamoā 1	4300-02	31,013,000	84,967	0.18%	
				Hamoā 2	4300-03	33,204,000	90,970	0.19%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 3/31/19	% Sustainable Yield
			Waiuku B	4600-03	23,985,000	65,712	0.14%
			Waiuku C	4600-04	16,746,000	45,879	0.10%
	Kawaiipapa Subtotal					287,529	0.60%
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	126,089,000	345,449	4.32%
			Napili B	5838-02	4,203,000	11,515	0.14%
			Napili C	5838-04	274,462,000	751,951	9.40%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	141,542,000	387,786	4.85%
	Honolua Subtotal					1,496,701	18.71%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	29,599,000	81,093	1.16%
			Kanaha 2	5339-04	9,177,000	25,142	0.36%
			Waipuka 1	5339-01	20,129,000	55,148	0.79%
			Waipuka 2	5339-02	22,156,000	60,701	0.87%
	Launiupoko Subtotal					222,085	3.17%
	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 3/31/19	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	192,394,000	527,107	10.54%	10.54%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
Kualapuu Subtotal						527,107	10.54%	10.54%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	51,707,000	141,663	2.83%	2.83%
				Kawela Subtotal				141,663	2.83%
	Ualapue	8	8	Ualapue	0449-01	69,271,000	189,784	2.37%	2.37%
				Ualapue Subtotal				189,784	2.37%
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					



RECEIVED

**DEPARTMENT COVER SHEET
FOR DOCUMENTS TO MAYOR**

APR -5 PM 3: 22

OFFICE OF THE MAYOR

CONTACT PERSON: Michele M. Sakuma CONTACT NO.: Ext. 7834 DATE: 4/4/2019

DEPARTMENT: WATER SUPPLY

SUBJECT/BRIEF DESCRIPTION: Monthly Source and Groundwater Use Reports

DATE ACTION REQUIRED BY: _____

ACTION REQUIRED BY MAYOR:

SIGNATURE TRANSMITTAL APPROVAL REVIEW/COMMENT OTHER

REASONS FOR REQUESTED ACTION:

Monthly transmittal

MAYOR'S OFFICE – WHEN COMPLETED PLEASE SEND: (THANK YOU!)

BACK TO THE DEPARTMENT OTHER Kelly King, Council Chair