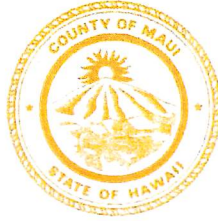


MICHAEL P. VICTORINO  
Mayor

JEFFREY T. PEARSON, P.E.  
Director

HELENE KAU  
Deputy Director



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

May 6, 2019

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2019 MAY -7 AM 9:37

OFFICE OF THE  
COUNTY CLERK

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* 5/9/19  
\_\_\_\_\_  
Mayor 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 April 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, P.E.  
Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 19-209

"By Water All Things Find Life"

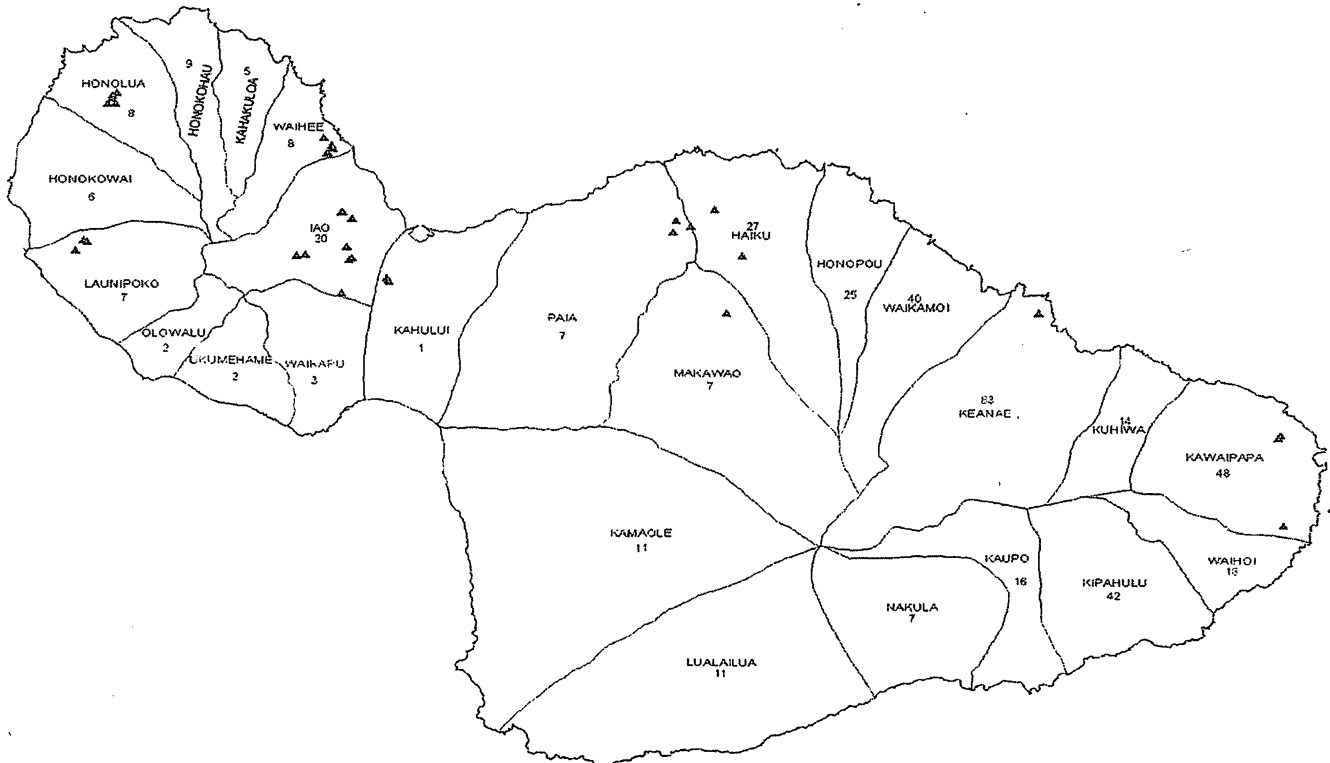
**County of Maui**  
**Dept. of Water Supply**  
**Monthly Source Reports**  
(Gals X 1000)

WELL NAME	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	26,906	10,529	5,954	5,095	6,954	13,895	2,129	53	1,848	1,260	4,186	5,969	13,264	84,779
Mokuhau 503	42,601	73,744	88,528	80,186	73,744	79,107	72,752	71,350	72,937	51,824	84,533	103,009	312,303	894,315
Waihee 577	44,064	48,583	57,112	48,300	61,600	59,391	71,434	56,720	48,468	38,573	72,635	54,788	214,464	661,667
Waihee 578	45,752	49,294	52,874	47,002	43,205	51,837	59,549	49,091	42,530	40,065	65,783	56,816	205,195	603,799
Waihee 579	119,869	115,425	121,545	114,312	101,291	107,822	86,195	105,339	121,523	74,522	82,562	119,714	398,320	1,270,118
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	32,719	37,771	38,079	35,714	33,880	33,798	30,896	31,501	33,365	27,396	32,916	35,934	129,612	403,969
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	14,500	32,396	35,563	34,954	11,840	7,151	21,686	48,968	39,308	39,383	37,290	38,485	154,467	361,524
Waikapu	29,514	36,609	38,331	34,826	32,130	36,210	34,088	33,777	34,938	20,597	0	0	55,535	331,019
Wailuku 1	64,020	65,556	66,459	49,574	49,245	48,326	12,662	12,061	6,217	12,085	4,821	2,416	25,539	393,441
Wailuku 2	64,879	64,924	64,970	65,017	65,062	65,108	65,153	65,200	65,246	65,288	65,334	65,379	261,247	781,559
<b>DAILY AVERAGE</b>	<b>15,639</b>	<b>17,828</b>	<b>18,368</b>	<b>16,612</b>	<b>15,965</b>	<b>16,214</b>	<b>15,218</b>	<b>15,292</b>	<b>15,045</b>	<b>13,250</b>	<b>14,518</b>	<b>16,084</b>	<b>19,666</b>	<b>15,853</b>
Kepaniwai 511	22,320	21,454	22,141	22,038	21,492	22,320	21,600	22,238	22,320	19,525	22,320	21,600	85,765	261,367
Iao Tunnel	47,809	47,434	48,584	49,125	47,362	48,854	47,702	49,273	49,230	44,150	49,110	47,672	190,162	576,306
<b>DAILY AVERAGE</b>	<b>2,262</b>	<b>2,296</b>	<b>2,281</b>	<b>2,296</b>	<b>2,295</b>	<b>2,296</b>	<b>2,310</b>	<b>2,307</b>	<b>2,308</b>	<b>2,274</b>	<b>2,304</b>	<b>2,309</b>	<b>9,195</b>	<b>2,295</b>
N. Waihee #1	23,474	21,498	22,474	30,025	25,739	22,767	23,275	21,441	21,788	18,845	21,979	21,500	84,112	274,804
N. Waihee #2	27,217	26,484	27,448	22,250	21,359	26,328	26,981	23,103	25,760	22,066	26,965	26,498	101,288	302,458
Kanoa #1	20,061	17,853	18,759	30,596	24,949	17,911	17,401	7,570	14,356	10,294	14,943	16,436	56,029	211,129
Kanoa #2	19,081	19,374	19,809	15,652	19,981	18,693	18,526	29,514	19,443	16,543	19,401	19,113	74,499	235,130
Kupaa	32,995	40,073	43,963	37,801	38,163	37,420	32,065	48,741	39,263	27,014	42,390	41,550	150,216	461,437
<b>DAILY AVERAGE</b>	<b>3,962</b>	<b>4,176</b>	<b>4,273</b>	<b>4,398</b>	<b>4,340</b>	<b>3,972</b>	<b>3,942</b>	<b>4,205</b>	<b>3,891</b>	<b>3,384</b>	<b>4,054</b>	<b>4,170</b>	<b>15,499</b>	<b>4,068</b>
Maui Lani #5	5,642	5,724	5,891	5,943	6,115	5,920	5,734	5,964	5,969	8,526	3,476	6,013	23,984	70,917
Maui Lani #6	11,364	11,001	11,348	11,346	11,209	11,326	11,009	11,376	11,368	16,704	16,337	11,181	55,590	145,570
Maui Lani #7	16,399	16,201	16,756	16,671	16,411	16,698	16,197	16,753	16,828	11,848	14,388	16,011	59,075	191,159
<b>DAILY AVERAGE</b>	<b>1,078</b>	<b>1,098</b>	<b>1,097</b>	<b>1,095</b>	<b>1,125</b>	<b>1,095</b>	<b>1,098</b>	<b>1,100</b>	<b>1,102</b>	<b>1,324</b>	<b>1,103</b>	<b>1,107</b>	<b>1,541</b>	<b>1,117</b>
<i>UpCountry</i>														
Haiku	8,990	1,558	1,192	3,336	8,801	8,131	7,743	7,728	8,412	7,916	7,592	8,043	31,962	79,441
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	14,424	15,293	16,742	15,709	14,631	15,359	16,366	22,750	15,909	14,007	15,404	15,193	60,514	191,789
Pookela	42	167	28	81	122	133	23	121	265	236	84	39	623	1,340
<b>DAILY AVERAGE</b>	<b>757</b>	<b>567</b>	<b>579</b>	<b>617</b>	<b>785</b>	<b>762</b>	<b>804</b>	<b>987</b>	<b>793</b>	<b>791</b>	<b>745</b>	<b>776</b>	<b>1,034</b>	<b>747</b>
<i>Lahaina</i>														
Kanaha 575	1,130	3,818	7,161	3,610	2,325	1,992	1,598	757	4,116	635	1,421	2,546	8,717	31,109
Kanaha 576	142	2,071	2,326	232	1,263	1,253	16	75	266	239	539	685	1,728	9,105
Waipuka 559	0	3,799	7,714	2,693	1,147	730	58	1,183	1,514	241	1,047	1,437	4,239	21,564
Waipuka 560	1,241	3,288	1,684	2,431	2,338	2,378	2,011	166	3,280	587	1,569	2,203	7,638	23,175
Napili A 569	23,263	23,489	22,309	15,823	6,152	3,305	1,159	420	1,127	438	1,274	1,150	3,989	99,909
Napili B 570	0	0	0	0	0	0	0	0	0	0	245	379	624	624
Napili C 571	0	0	54	9,739	27,483	40,136	37,515	40,443	40,053	37,522	41,518	40,854	159,947	315,316
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	18,809	29,808	30,618	20,400	7,869	9,102	3,636	6,062	6,763	1,575	6,901	12,006	27,245	153,548
<b>DAILY AVERAGE</b>	<b>1,438</b>	<b>2,209</b>	<b>2,318</b>	<b>1,772</b>	<b>1,619</b>	<b>1,900</b>	<b>1,533</b>	<b>1,584</b>	<b>1,843</b>	<b>1,473</b>	<b>1,758</b>	<b>2,042</b>	<b>2,379</b>	<b>1,793</b>
<i>Hana</i>														
Hamo 597	3,487	3,424	970	2,555	4,361	1,543	5,033	418	4,484	1,447	13	1,290	7,233	29,024
Hamo #2	1,028	1,510	4,475	3,219	1,324	4,058	2	5,678	1,222	3,463	5,936	4,353	14,973	36,266
Keanae #1	753	617	365	872	601	234	695	880	787	725	857	654	3,023	8,040
Keanae #2	217	520	474	5	150	589	1	0	1	0	1	269	2,227	2,227
Wakiu 550 B	2,493	2,130	1,682	2,225	1,282	3,546	2,293	2,029	1,932	2,038	2,286	2,296	8,552	26,232
Wakiu C	1,488	2,955	2,057	1,659	2,518	607	1	2	318	4	35	35	392	11,680
<b>DAILY AVERAGE</b>	<b>305</b>	<b>372</b>	<b>323</b>	<b>340</b>	<b>341</b>	<b>341</b>	<b>267</b>	<b>291</b>	<b>282</b>	<b>274</b>	<b>294</b>	<b>297</b>	<b>383</b>	<b>311</b>
<i>Molokai</i>														
Kawela 551	0	1	0	1	1	7	8	6	9	4	5	13	31	55
Kawela 552	4,607	5,258	5,081	3,871	3,932	4,437	4,724	4,424	4,301	3,404	4,347	4,483	16,535	52,869
Ualapue 553	3,541	3,812	2,774	2,066	3,381	2,383	681	1,642	4,137	3,090	2,573	4,797	14,597	34,877
Ualapue 554	2,926	3,049	4,320	5,028	1,529	2,543	4,480	3,899	1,196	1,243	3,628	2,386	8,453	36,227
Kualapuu	16,366	18,473	19,394	18,639	16,041	16,191	16,592	14,639	15,558	10,438	15,266	16,728	57,990	194,326
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>DAILY AVERAGE</b>	<b>885</b>	<b>1,020</b>	<b>1,018</b>	<b>955</b>	<b>829</b>	<b>825</b>	<b>883</b>	<b>794</b>	<b>813</b>	<b>649</b>	<b>833</b>	<b>947</b>	<b>1,085</b>	<b>872</b>

## DWS Groundwater Use - Island of Maui

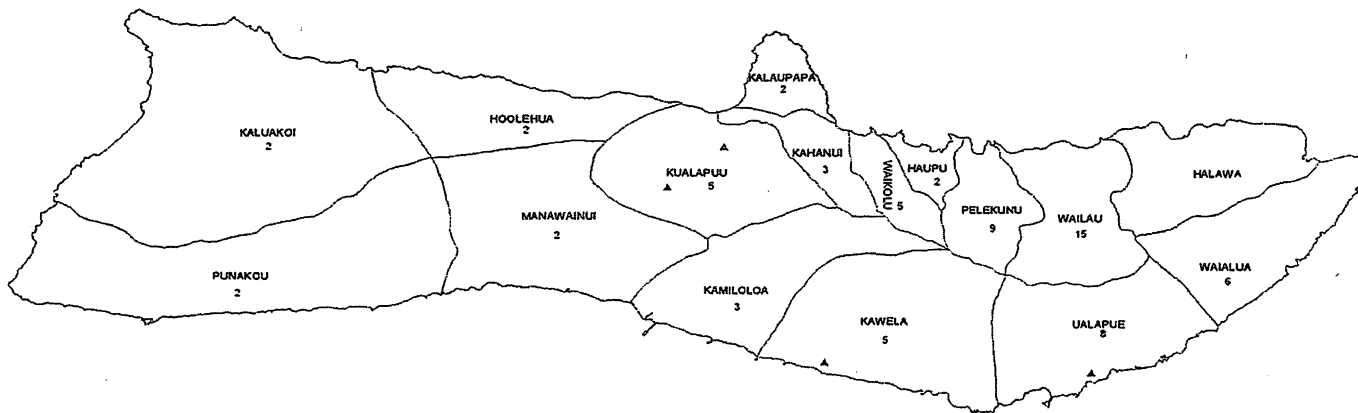
Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 3/31/19	% Sustainable Yield
Wailuku	Waikapu	3					
	lao	20					
			Mokuhau 1	5330-09	115,710,000	317,014	1.59%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	833,609,000	2,283,860	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%
			lao 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%
	<b>lao Subtotal</b>					<b>16,348,088</b>	<b>81.74%</b>
	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%
	<b>Waihee Subtotal</b>					<b>4,053,011</b>	<b>50.66%</b>
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	70,678,000	193,638	19.36%
			Maui Lani #6	5229-05	145,344,000	398,203	39.82%
			Maui Lani #7	5229-06	191,388,000	524,351	52.44%
	<b>Kahului Subtotal</b>					<b>1,116,192</b>	<b>111.62%</b>
	Kamaole	11					
	Paia	7					
			Hamakuapoko 1	5420-02	0	0	0.00%
			Hamakuapoko 2	5320-01	0	0	0.00%
	<b>Paia Subtotal</b>					<b>0</b>	<b>0.00%</b>
	Makawao	7					
			Pookela	5118-02	1,473,000	4,036	0.06%
	<b>Makawao Subtotal</b>					<b>4,036</b>	<b>0.06%</b>
Koolau	Haiku	27					
			Kaupakalua	5317-01	190,833,000	522,830	1.94%
			Haiku	5419-01	80,208,000	219,748	0.81%
	<b>Haiku Subtotal</b>				<b>0</b>	<b>742,578</b>	<b>2.75%</b>
	Honopou	25					
	Waikamoi	40					
	Kearae	83					
			Kearae 1	5108-01	7,407,000	20,293	0.02%
			Kearae 2	5108-02	2,888,000	7,912	0.01%
	<b>Kearae Subtotal</b>					<b>28,205</b>	<b>0.03%</b>
Hana	Kuhiwa	14					
	Kawaipapa	48					
			Hamoia 1	4300-02	31,013,000	84,967	0.18%
			Hamoia 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
			Wakiu B	4600-03	23,985,000	65,712	0.14%
			Wakiu C	4600-04	16,746,000	45,879	0.10%
	<b>Kawaipapa Subtotal</b>					<b>287,529</b>	<b>0.60%</b>
	<b>Waihoi</b>	<b>18</b>					
	<b>Kipahulu</b>	<b>42</b>					
Kahikinui	<b>Kaupo</b>	<b>16</b>					
	<b>Nakula</b>	<b>7</b>					
	<b>Lualailua</b>	<b>11</b>					
Lahaina	<b>Honokohau</b>	<b>9</b>					
	<b>Honolua</b>	<b>8</b>					
			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%
	<b>Honolua Subtotal</b>					<b>1,496,701</b>	<b>18.71%</b>
	<b>Honokowai</b>	<b>6</b>					
	<b>Launiupoko</b>	<b>7</b>					
			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%
	<b>Launiupoko Subtotal</b>					<b>222,085</b>	<b>3.17%</b>
	<b>Olowalu</b>	<b>2</b>					
	<b>Ukumehame</b>	<b>2</b>					



**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						<b>527,107</b>	<b>10.54%</b>	<b>10.54%</b>
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	51,707,000	141,663	2.83%	2.83%
							<b>141,663</b>	<b>2.83%</b>	<b>2.83%</b>
	Kawela Subtotal								
	Ualapue	8	8						
	Ualapue Subtotal			Ualapue	0449-01	69,271,000	189,784	2.37%	2.37%
							<b>189,784</b>	<b>2.37%</b>	<b>2.37%</b>
	Waiialua	6	8						
Northeast	Kalaupapa	2	0						
	Kahanui	3	0						
	Waikolu	5	4.5						
	Hauptu	2	0						
	Pelekunu	9	0						
	Wailau	15	0						
	Halawa	8	0						



RECEIVED

**DEPARTMENT COVER SHEET  
FOR DOCUMENTS TO MAYOR**

2019 MAY -6 PM 2:24

OFFICE OF THE MAYOR

CONTACT PERSON: Michele M. Sakuma CONTACT NO.: Ext. 7834 DATE: 5/6/2019

DEPARTMENT: WATER SUPPLY

SUBJECT/BRIEF DESCRIPTION: 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 of reports for the month of April

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

BACK TO THE DEPARTMENT     OTHER Council Chair Kelly King