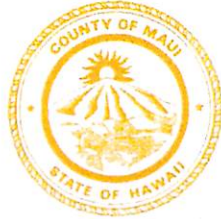


MICHAEL P. VICTORINO
Mayor

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

June 5, 2019

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2019 JUN 10 AM 9:39
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 6/7/19
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 May 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. 19-259

"By Water All Things Find Life"

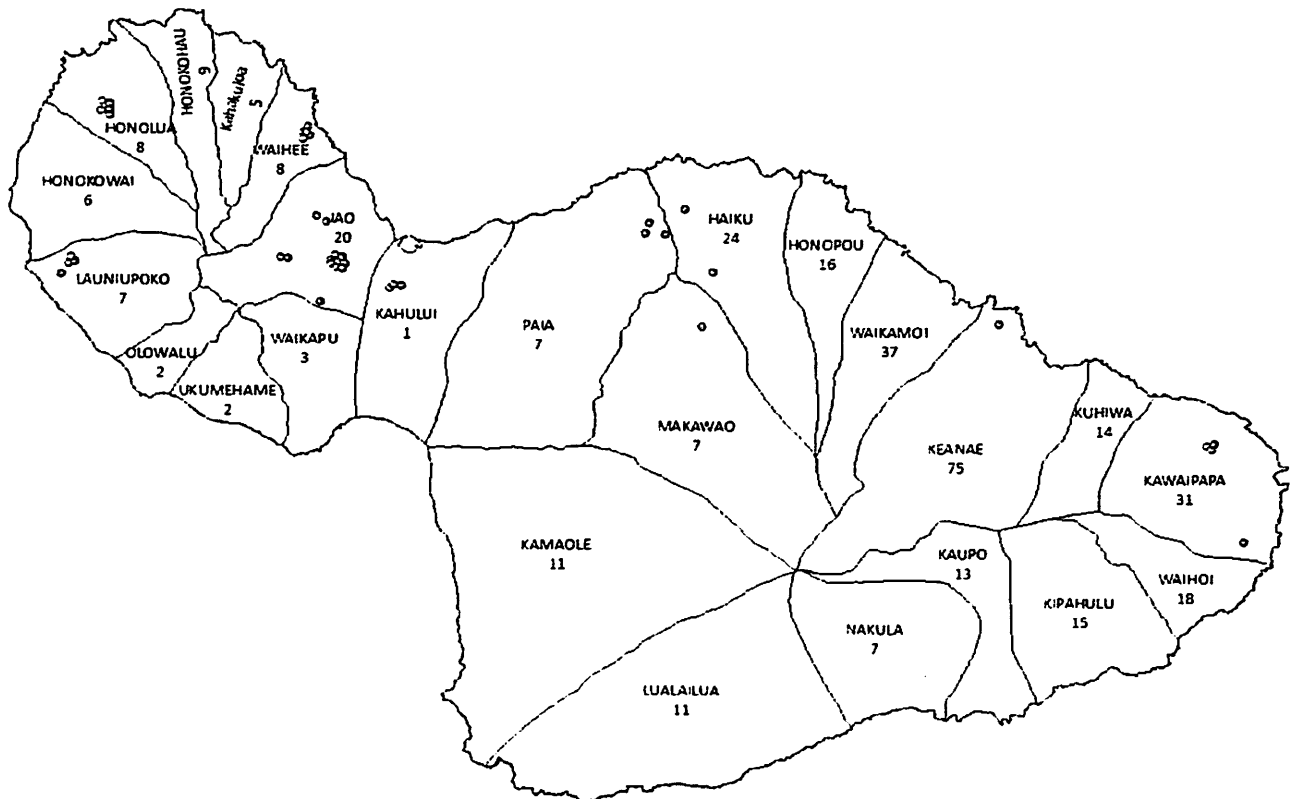
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Current Year	Last 12 Months
Central														
Mokuhau 501	10,529	5,954	5,095	6,954	13,895	2,129	53	1,848	1,260	4,186	5,969	8,196	21,460	66,069
Mokuhau 503	73,744	88,528	80,186	73,744	79,107	72,752	71,350	72,937	51,824	84,533	103,009	99,817	412,121	951,532
Waihee 577	48,583	57,112	48,300	61,600	59,391	71,434	56,720	48,468	38,573	72,635	54,788	58,615	273,079	676,218
Waihee 578	49,294	52,874	47,002	43,205	51,837	59,549	49,091	42,530	40,065	65,783	56,816	56,001	261,195	614,047
Waihee 579	115,425	121,545	114,312	101,291	107,822	86,195	105,339	121,523	74,522	82,562	119,714	118,604	516,924	1,268,852
Walehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walehu Hts 515	37,771	38,079	35,714	33,880	33,798	30,896	31,501	33,365	27,396	32,916	35,934	37,934	167,545	409,184
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iao	32,396	35,563	34,954	11,840	7,151	21,686	48,968	39,308	39,383	37,290	38,485	37,486	191,953	384,511
Waikapu	36,609	38,331	34,826	32,130	36,210	34,088	33,777	34,938	20,597	0	0	0	55,535	301,505
Wailuku 1	65,556	66,459	49,574	49,245	48,326	12,662	12,061	6,217	12,085	4,821	2,416	20,803	46,341	350,224
Wailuku 2	64,924	64,970	65,017	65,062	65,108	65,153	65,200	65,246	65,288	65,334	65,379	65,426	326,673	782,106
DAILY AVERAGE	17,828	18,388	16,812	15,965	16,214	15,218	15,292	15,045	13,260	14,518	16,084	16,222	15,052	15,802
Kepaniwai 511	21,454	22,141	22,038	21,492	22,320	21,600	22,238	22,320	19,525	22,320	21,600	22,311	108,075	261,358
Iao Tunnel	47,434	48,584	49,125	47,362	48,854	47,702	49,273	49,230	44,150	49,110	47,672	49,045	239,207	577,542
DAILY AVERAGE	2,298	2,281	2,296	2,295	2,298	2,310	2,307	2,308	2,274	2,304	2,309	2,302	11,497	2,298
N. Waihee #1	21,498	22,474	30,025	25,739	22,767	23,275	21,441	21,788	18,845	21,979	21,500	21,586	105,698	272,917
N. Waihee #2	26,484	27,448	22,250	21,359	26,328	26,981	23,103	25,760	22,066	26,965	26,815	26,815	128,103	302,056
Kanoa #1	17,853	18,759	30,596	24,949	17,911	17,401	7,570	14,356	10,294	14,943	16,436	17,118	73,146	208,186
Kanoa #2	19,374	19,809	15,652	19,981	18,693	18,526	29,514	19,443	16,543	19,401	19,113	18,479	92,978	234,528
Kupaa	40,073	43,963	37,801	38,163	37,420	32,065	48,741	39,263	27,014	42,390	41,550	39,849	190,066	468,292
DAILY AVERAGE	4,176	4,273	4,398	4,340	3,972	3,942	4,205	3,891	3,384	4,054	4,170	3,995	19,494	4,071
Maui Lani #5	5,724	5,891	5,943	6,115	5,920	5,734	5,964	5,969	8,526	3,476	6,013	5,756	29,740	71,031
Maui Lani #6	11,001	11,348	11,346	11,209	11,326	11,009	11,376	11,368	16,704	16,337	11,181	11,306	66,895	145,511
Maui Lani #7	16,201	16,756	16,671	16,411	16,698	16,197	16,753	16,828	11,848	14,388	16,011	16,331	75,405	191,090
DAILY AVERAGE	1,098	1,097	1,095	1,125	1,095	1,098	1,100	1,102	1,324	1,103	1,107	1,077	1,139	1,117
UpCountry														
Haiku	1,558	1,192	3,336	8,801	8,131	7,743	7,728	8,412	7,916	7,592	8,043	8,727	40,689	79,177
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	15,293	16,742	15,709	14,631	15,359	16,366	22,750	15,909	14,007	15,404	15,193	17,034	77,548	194,398
Pookela	167	28	81	122	133	23	121	265	236	84	39	93	716	1,391
DAILY AVERAGE	567	579	617	785	762	804	987	793	791	745	776	834	788	753
Lahaina														
Kanaha 575	3,818	7,161	3,610	2,325	1,992	1,598	757	4,116	635	1,421	2,546	3,670	12,387	33,649
Kanaha 576	2,071	2,326	232	1,263	1,253	16	75	266	239	539	685	1,178	2,907	10,141
Waipuka 559	3,799	7,714	2,693	1,147	730	58	1,183	1,514	241	1,047	1,437	719	4,958	22,283
Waipuka 560	3,288	1,684	2,431	2,338	2,378	2,011	166	3,280	587	1,569	2,203	4,364	12,003	26,298
Napili A 569	23,489	22,309	15,823	6,152	3,305	1,159	420	1,127	438	1,274	1,150	1,010	4,999	77,657
Napili B 570	0	0	0	0	0	0	0	0	0	245	379	595	1,218	1,218
Napili C 571	0	54	9,739	27,483	40,136	37,515	40,443	40,053	37,522	41,518	40,854	42,341	202,288	357,658
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	29,808	30,618	20,400	7,869	9,102	3,636	6,062	6,763	1,575	6,901	12,006	11,829	39,074	146,568
DAILY AVERAGE	2,209	2,318	1,772	1,619	1,900	1,533	1,584	1,843	1,473	1,758	2,042	2,120	1,853	1,851
Hana														
Hamoā 597	3,424	970	2,555	4,361	1,543	5,033	418	4,484	1,447	13	1,290	5,217	12,450	30,754
Hamoā #2	1,510	4,475	3,219	1,324	4,058	2	5,678	1,222	3,463	5,936	4,353	306	15,279	35,544
Keanā #1	617	365	872	601	234	695	880	787	725	857	654	0	3,023	7,287
Keanā #2	520	474	5	150	589	1	0	1	0	1	269	239	511	2,249
Wakiu 550 B	2,130	1,682	2,225	1,282	3,546	2,293	2,029	1,932	2,038	2,286	2,296	2,565	11,117	26,304
Wakiu C	2,955	2,057	1,659	2,518	607	1	2	318	4	35	35	35	427	10,227
DAILY AVERAGE	372	323	340	341	341	267	291	282	274	294	297	270	283	308
Molokai														
Kawela 551	1	0	1	1	7	8	6	9	4	5	13	7	39	62
Kawela 552	5,258	5,081	3,871	3,932	4,437	4,724	4,424	4,301	3,404	4,347	4,483	4,675	21,210	52,937
Ualapue 553	3,812	2,774	2,066	3,381	2,383	681	1,642	4,137	3,090	2,573	4,797	4,209	18,806	35,544
Ualapue 554	3,049	4,320	5,028	1,529	2,543	4,480	3,899	1,196	1,243	3,628	2,386	3,402	11,855	36,703
Kualapuu	18,473	19,394	18,639	16,041	16,191	16,592	14,639	15,558	10,438	15,266	16,728	17,230	75,221	195,190
Waikalao Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	1,020	1,018	955	829	825	883	794	813	649	833	947	952	842	878

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 5/31/19	% Sustainable Yield		
Wailuku	Waikapu	3							
	Iao	20	Mokuhau 1	5330-09	66,069,000	181,011	0.91%		
			Mokuhau 2	5330-10	0	0	0.00%		
			Mokuhau 3	5330-11	951,532,000	2,606,937	13.03%		
			Waihee 1	5431-02	676,218,000	1,852,652	9.26%		
			Waihee 2	5431-03	614,047,000	1,682,321	8.41%		
			Waihee 3	5431-04	1,268,852,000	3,476,307	17.38%		
			Waiehu Heights 1	5430-01	0	0	0.00%		
			Waiehu Heights 2	5430-02	409,184,000	1,121,052	5.61%		
			Wailuku Shaft 33	5330-05	0	0	0.00%		
			Kepaniwai	5332-05	261,358,000	716,049	3.58%		
			Iao Tank Site Well	5230-02	384,511,000	1,053,455	5.27%		
			Waikapu Well	5131-01	301,505,000	826,041	4.13%		
			Wailuku 1	5230-04	350,224,000	959,518	4.80%		
Wailuku 2	5230-05	782,106,000	2,142,756	10.71%					
	Iao Subtotal				16,618,099	83.09%			
Waihee	8	North Waihee # 1	5631-02	272,917,000	747,718	9.35%			
		North Waihee # 2	5631-03	302,056,000	827,551	10.34%			
		Kanoa 1	5731-02	208,186,000	570,373	7.13%			
		Kanoa 2	5731-04	234,528,000	642,542	8.03%			
		Kupaa	5731-03	468,292,000	1,282,992	16.04%			
			Waihee Subtotal				4,071,175	50.89%	
Kahakuloa	5								
Central	Kahului	1	Maui Lani #5	5229-04	71,031,000	194,605	19.46%		
			Maui Lani #6	5229-05	145,511,000	398,660	39.87%		
			Maui Lani #7	5229-06	191,090,000	523,534	52.35%		
				Kahului Subtotal				1,340,000	111.68%
Kamaole	11								
Paia	7	Hamakuapoko 1	5420-02	0	0	0.00%			
		Hamakuapoko 2	5320-01	0	0	0.00%			
			Paia Subtotal				0	0.00%	
Makawao	7	Pookela	5118-02	1,391,000	3,811	0.05%			
			Makawao Subtotal				3,811	0.05%	
Koolau	Haiku	24	Kaupakalua	5317-01	194,398,000	532,597	2.22%		
			Haiku	5419-01	79,177,000	216,923	0.90%		
				Haiku Subtotal				0	3.12%
Honopou	16								
Walkamoi	37								
Keanae	75	Keanae 1	5108-01	7,287,000	19,964	0.03%			
		Keanae 2	5108-02	2,249,000	6,162	0.01%			
			Keanae Subtotal				26,126	0.03%	
Hana	Kuhiwa	14							
			Kawaipapa	31	Hamoia 1	4300-02	30,754,000	84,258	0.27%
					Hamoia 2	4300-03	35,544,000	97,381	0.31%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 5/31/19	% Sustainable Yield
			Wakiu B	4600-03	26,304,000	72,066	0.23%
			Wakiu C	4600-04	10,227,000	28,019	0.09%
	Kawaipapa Subtotal					281,723	0.91%
	Waihoi	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	77,657,000	212,759	2.66%
			Napili B	5838-02	1,218,000	3,337	0.04%
			Napili C	5838-04	357,658,000	979,885	12.25%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	146,568,000	401,556	5.02%
	Honolua Subtotal					1,597,537	19.97%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	33,649,000	92,189	1.32%
			Kanaha 2	5339-04	10,141,000	27,784	0.40%
			Waipuka 1	5339-01	22,283,000	61,049	0.87%
			Waipuka 2	5339-02	26,298,000	72,049	1.03%
	Launiupoko Subtotal					253,071	3.62%
	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 6/31/19	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	195,190,000	534,767	10.70%	10.70%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
Kualapuu Subtotal						534,767	10.70%	10.70%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	52,999,000	145,203	2.90%	2.90%
				Kawela Subtotal				145,203	2.90%
	Ualapue	8	8	Ualapue	0449-01	72,247,000	197,937	2.47%	2.47%
				Ualapue Subtotal				197,937	2.47%
Waiialua		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						

