

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.mauewater.org

May 7, 2020

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COUNTY CLERK

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

APPROVED FOR TRANSMITTAL

Michael P Victorino 5/7/20
Mayor Date

For transmittal to:

Honorable Alice Lee, Chair
and Members of the Maui County Council
200 South High Street
Wailuku, Hawaii 96793

Dear Chair Lee 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 2020.

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,

A handwritten signature in black ink, appearing to read "Jeffrey T. Pearson".

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

Attachments

COUNTY COMMUNICATION NO. 20-287

"By Water All Things Find Life"

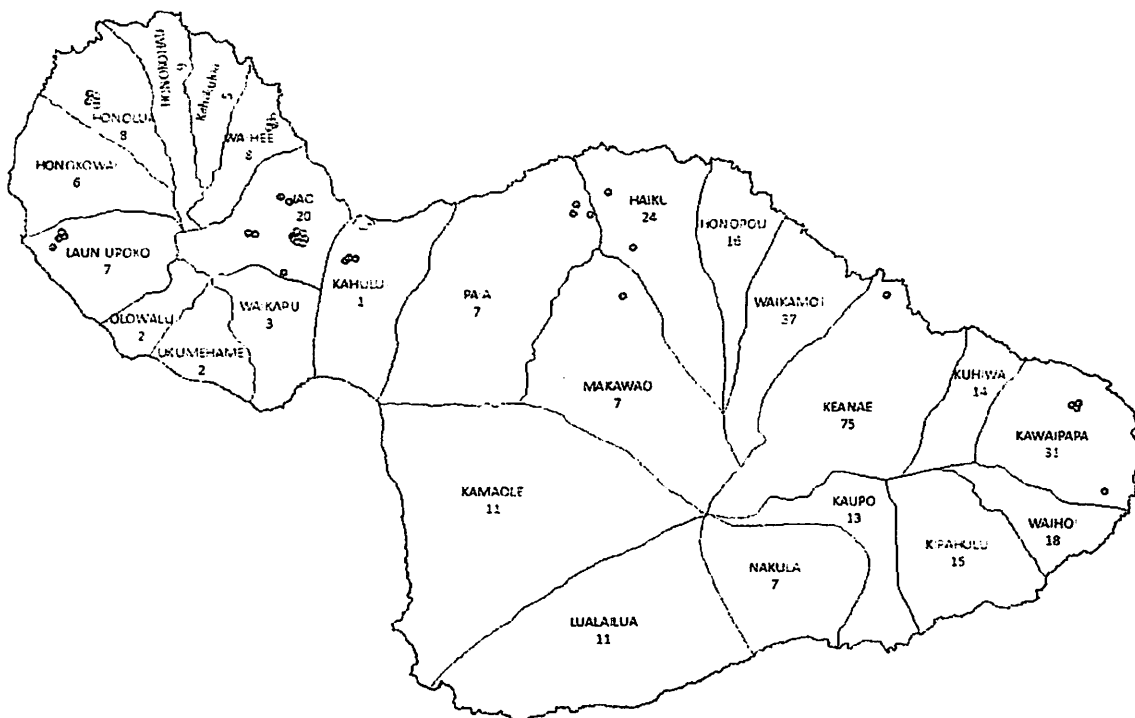
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	Current Year	Last 12 Months
Central														
Mokuhau 501	8,196	8,507	18,294	16,097	9,895	15,195	4,790	9,335	3,000	1,900	2,323	3,492	10,715	101,024
Mokuhau 503	99,817	102,934	113,249	82,568	67,880	62,437	53,546	57,053	53,970	53,798	61,459	45,906	215,133	854,617
Walhee 577	58,615	67,567	75,309	72,408	74,780	75,771	81,752	95,203	102,360	71,305	85,870	70,969	330,504	931,908
Walhee 578	56,001	66,120	74,647	68,580	71,701	71,785	55,787	0	0	0	0	0	0	464,621
Walhee 579	118,604	120,350	131,591	122,067	109,609	122,163	109,398	107,541	88,223	109,853	116,236	101,273	415,585	1,356,906
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	37,934	39,969	42,148	40,529	39,660	41,071	37,060	33,858	31,123	29,880	32,266	33,273	126,542	438,770
Iao	37,486	48,710	56,661	52,578	54,068	15,908	18,386	21,809	39,469	19,698	23,327	19,844	102,338	407,945
Waikapu	0	0	0	0	0	68	23,060	28,503	24,546	25,496	28,494	29,574	108,110	159,741
Wailuku 1	20,803	24,719	10,521	25,622	36,000	66,036	50,102	14,930	0	0	0	0	0	248,733
Wailuku 2	65,426	65,471	65,518	65,564	65,609	65,656	65,701	65,747	65,794	61,028	61,994	51,842	240,658	765,350
DAILY AVERAGE	16,222	18,145	18,966	17,613	17,640	17,293	16,653	13,999	13,177	12,861	13,289	11,872	12,806	15,655
Kepaniwai 511	22,311	21,600	22,259	22,315	21,308	21,685	21,600	22,316	22,315	20,880	22,320	21,600	87,115	262,508
Iao Tunnel	49,045	48,108	49,339	49,182	48,538	50,327	48,440	49,904	49,310	46,060	49,868	48,415	193,653	586,537
DAILY AVERAGE	2,302	2,324	2,310	2,306	2,328	2,323	2,335	2,330	2,310	2,308	2,329	2,334	37,034	2,320
N. Walhee #1	21,586	21,633	22,366	11,494	0	0	0	0	0	0	0	0	0	77,079
N. Walhee #2	26,815	25,490	27,080	27,203	20,848	15,406	19,584	35,180	37,482	32,028	31,512	21,291	122,313	319,919
Kanoa #1	17,118	15,886	21,818	21,979	33,380	31,646	30,389	32,066	30,400	27,810	31,549	30,846	120,605	324,886
Kanoa #2	18,479	19,350	20,237	21,819	25,892	27,914	31,250	29,896	27,227	25,723	27,667	27,478	108,095	302,931
Kupaa	39,849	41,738	44,486	42,594	45,711	51,467	48,585	48,524	48,584	48,442	51,784	49,980	196,790	559,744
DAILY AVERAGE	3,995	4,137	4,387	4,035	4,194	4,078	4,327	4,699	4,571	4,621	4,597	4,320	67,460	4,329
Maui Lani #5	5,756	5,436	5,932	6,223	2,959	1,349	663	40	979	27	392	517	1,915	30,273
Maui Lani #6	11,306	11,011	11,240	11,992	11,574	11,295	10,980	11,357	11,298	10,642	11,338	10,877	44,155	134,910
Maui Lani #7	16,331	16,123	16,521	17,067	16,266	16,736	16,213	16,758	15,721	15,679	16,745	16,041	64,186	196,200
DAILY AVERAGE	1,077	1,086	1,087	1,138	1,027	948	929	908	903	909	919	915	911	987
UpCountry														
Haiku	8,727	9,753	11,113	9,554	9,210	9,294	8,861	8,479	8,357	7,673	7,750	8,702	32,482	107,472
H' Poko #1	0	0	17	210	0	0	134	234	0	0	0	0	0	595
H' Poko #2	0	0	0	0	0	0	0	214	0	0	0	0	0	214
Kaupakalua	17,034	19,509	20,460	18,370	17,321	16,906	16,986	16,951	17,642	15,329	15,663	17,386	66,020	209,556
Pookela	93	5,120	10,846	1,468	79	460	18,991	32,102	33	37	297	25	392	69,551
DAILY AVERAGE	834	1,146	1,369	955	887	860	1,499	1,870	840	794	765	870	817	1,058
Lahaina														
Kanaha 576	3,670	8,256	8,739	9,064	4,456	86	4,191	5,599	1,897	510	15	357	2,779	46,840
Kanaha 576	1,178	201	263	1,499	5,937	8,224	6,449	4,816	1,524	1,208	27	354	3,113	31,681
Waipuka 559	719	6,677	6,851	7,083	9,034	9,002	9,173	8,425	3,255	1,385	14	271	4,925	61,889
Waipuka 560	4,364	2,632	3,730	3,909	7,670	8,064	9,108	8,935	2,394	4,714	16	478	7,602	56,014
Napili A 569	1,010	1,945	2,714	822	166	1,510	1,536	542	260	65	458	351	1,134	11,380
Napili B 570	595	573	19,065	25,645	21,907	15,438	5,092	2,096	1,475	3,844	8,320	1,651	15,290	105,700
Napili C 571	42,341	39,988	31,309	10,834	4,593	18,269	31,897	41,545	34,863	35,499	41,792	36,360	148,514	369,290
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	11,829	14,384	4,668	17,289	28,313	27,345	18,120	4,798	564	236	511	871	2,182	128,928
DAILY AVERAGE	2,120	2,489	2,495	2,456	2,736	2,837	2,852	2,476	1,491	1,637	1,650	1,356	1,533	2,218
Hana														
Hamoia 597	5,217	5,510	3,004	41	1	2	1	1	1	2	123	1	127	13,904
Hamoia #2	306	47	3,284	4,808	4,933	5,765	7,214	7,238	7,129	7,216	7,127	6,990	28,462	62,056
Keanao #1	0	526	128	0	62	12	0	383	910	1,043	1,089	1,354	4,396	5,508
Keanao #2	239	394	838	805	793	812	873	452	1	12	26	1	40	5,246
Wakiu 550 B	2,565	2,764	2,892	2,766	2,825	3,458	1,412	1	751	8	104	1,204	2,067	20,750
Wakiu C	35	0	453	2,543	2,597	1,543	1,150	3,020	2,685	3,976	3,124	1,722	11,507	22,849
DAILY AVERAGE	270	308	342	354	374	374	355	358	370	423	374	376	385	356
Molokai														
Kawela 551	7	27	6,082	12	2,526	6,619	5,091	7,690	8,441	6,528	4,338	1,108	20,415	48,468
Kawela 552	4,675	4,024	1,336	4,540	589	5	4	5	5	1,282	1,422	2,771	5,480	20,658
Ualapue 553	4,209	2,267	436	7,658	6,729	4,651	4,689	5,630	3,874	4,605	4,417	5,115	18,011	54,279
Ualapue 554	3,402	6,136	7,258	29	1,904	2,082	1,830	8	447	17	19	107	590	23,239
Kualapuu	17,230	17,609	14,548	17,981	18,791	9,156	10,299	9,402	8,337	7,784	10,865	11,752	38,738	153,754
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	952	1,002	957	975	1,018	726	730	733	681	697	679	695	688	821

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 4/30/20	% Sustainable Yield
Wailuku	Waikapu	3					
	Iao	20					
			Mokuhau 1	5330-09	101,024,000	276,022	1.38%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	854,617,000	2,335,019	11.68%
			Waihee 1	5431-02	931,908,000	2,546,197	12.73%
			Waihee 2	5431-03	464,621,000	1,269,456	6.35%
			Waihee 3	5431-04	1,356,906,000	3,707,393	18.54%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	438,770,000	1,198,825	5.99%
			Kepaniwai	5332-05	262,508,000	717,235	3.59%
			Iao Tank Site Well	5230-02	407,945,000	1,114,604	5.57%
			Waikapu Well	5131-01	159,741,000	436,451	2.18%
			Wailuku 1	5230-04	248,733,000	679,598	3.40%
			Wailuku 2	5230-05	765,350,000	2,091,120	10.46%
	Iao Subtotal					16,371,921	81.86%
	Waihee	8					
			North Waihee # 1	5631-02	77,079,000	210,598	2.63%
			North Waihee # 2	5631-03	319,919,000	874,096	10.93%
			Kanoa 1	5731-02	324,886,000	887,667	11.10%
			Kanoa 2	5731-04	302,931,000	827,680	10.35%
			Kupaa	5731-03	559,744,000	1,529,355	19.12%
	Waihee Subtotal					4,329,396	54.12%
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	30,273,000	82,713	8.27%
			Maui Lani #6	5229-05	134,910,000	368,607	36.86%
			Maui Lani #7	5229-06	196,200,000	536,066	53.61%
	Kahului Subtotal					987,385	98.74%
	Kamaole	11					
	Paia	7					
			Hamakuapoko 1	5420-02	595,000	1,626	0.02%
			Hamakuapoko 2	5320-01	214,000	585	0.01%
	Paia Subtotal					2,210	0.03%
	Makawao	7					
			Pookela	5118-02	69,551,000	190,030	2.71%
	Makawao Subtotal					190,030	2.71%
Koolau	Haiku	24					
			Kaupakalua	5317-01	209,556,000	572,557	2.39%
			Haiku	5419-01	107,472,000	293,639	1.22%
	Haiku Subtotal					866,197	3.61%
	Honopou	16					
	Waikamoi	37					
	Keanae	75					
			Keanae 1	5108-01	5,508,000	15,049	0.02%
			Keanae 2	5108-02	5,246,000	14,333	0.02%
	Keanae Subtotal					29,383	0.04%
Hana	Kuhiwa	14					
	Kawaipapa	31					
			Hamoia 1	4300-02	13,904,000	37,989	0.12%
			Hamoia 2	4300-03	62,056,000	169,552	0.55%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 4/30/20	% Sustainable Yield
			Wakiu B	4600-03	20,750,000	56,694	0.18%
			Wakiu C	4600-04	22,849,000	62,429	0.20%
	Kawaipapa Subtotal					326,664	1.05%
	Waihol	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	11,380,000	31,093	0.39%
			Napili B	5838-02	105,700,000	288,798	3.61%
			Napili C	5838-04	369,290,000	1,008,989	12.61%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	128,928,000	352,262	4.40%
	Honolua Subtotal					1,681,142	21.01%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	46,840,000	127,978	1.83%
			Kanaha 2	5339-04	31,681,000	86,560	1.24%
			Waipuka 1	5339-01	61,889,000	169,096	2.42%
			Waipuka 2	5339-02	56,014,000	153,044	2.19%
	Launiupoko Subtotal					536,678	7.67%
	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 4/30/20	Sustainable Yield - % DWS	% DY MWWGR
West	Kaluakoi	2	2						
	Punakou	2	2						
Central	Hoolihua	2	2						
	Manawainui	2	2						
	Kualapuu	5	5						
				Kualapuu	0801-03	153,754,000	420,093	8.40%	8.40%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						420,093	8.40%	8.40%
Southeast	Kamiloloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	69,126,000	188,869	3.78%	3.78%
	Kawela Subtotal						188,869	3.78%	3.78%
	Ualapue	8	8						
	Ualapue Subtotal			Ualapue	0449-01	77,518,000	211,798	2.65%	2.65%
	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						

