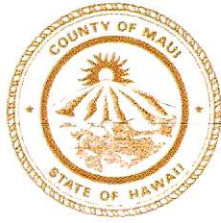


MICHAEL P. VICTORINO
Mayor

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

April 7, 2020

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

APPROVED FOR TRANSMITTAL

Michael P. Victorino
Mayor
4/10/20
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 March 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

RECEIVED
2020 APR -8 AM 10:14
OFFICE OF THE MAYOR

OFFICE OF THE
COUNTY CLERK

2020 APR 13 AM 10:28

RECEIVED

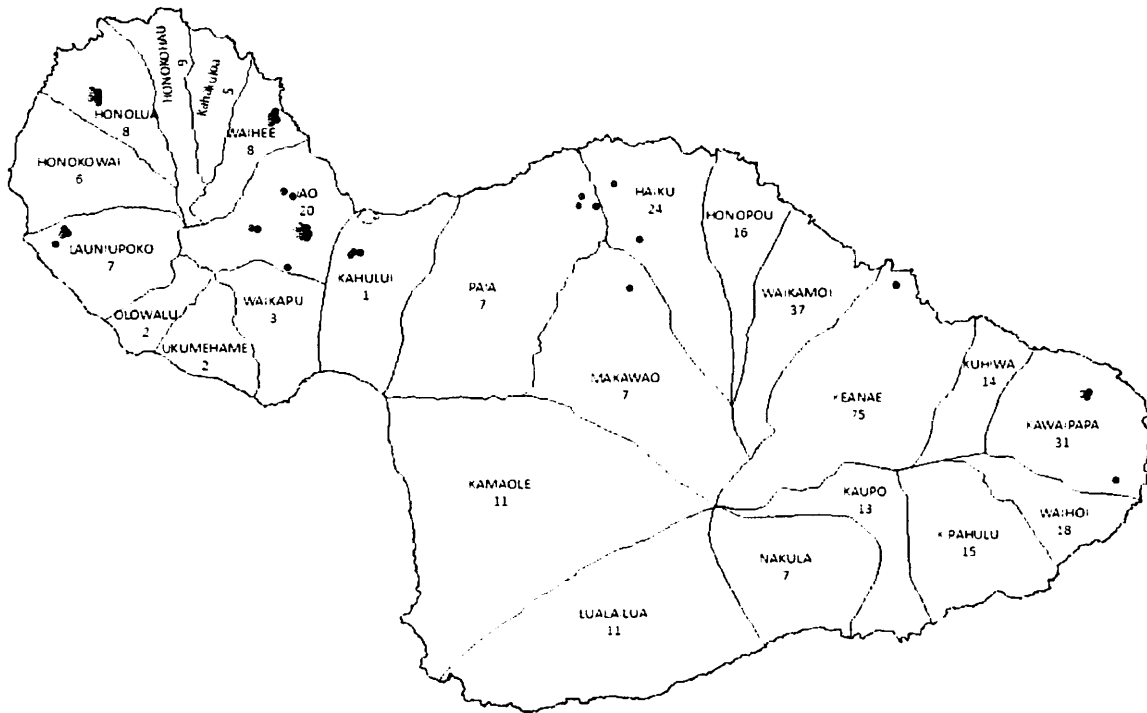
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Current Year	Last 12 Months
Central														
Mokuahau 501	5,969	8,196	8,507	18,294	16,097	9,895	15,195	4,790	9,335	3,000	1,900	2,323	7,223	103,501
Mokuahau 503	103,009	99,817	102,934	113,249	82,568	67,880	62,437	53,546	57,053	53,970	53,798	61,459	169,227	911,720
Waihee 577	54,788	58,615	67,567	75,309	72,408	74,780	75,771	81,752	95,203	102,360	71,305	85,870	259,535	915,727
Waihee 578	56,816	56,001	66,120	74,647	68,580	71,701	71,785	55,787	0	0	0	0	0	521,437
Waihee 579	119,714	118,604	120,350	131,591	122,067	109,609	122,163	109,398	107,541	88,223	109,853	116,236	314,312	1,375,347
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	35,934	37,934	39,969	42,148	40,529	39,660	41,071	37,060	33,858	31,123	29,880	32,266	93,269	441,431
Iao	38,485	37,486	48,710	56,661	52,578	54,068	15,908	18,386	21,809	39,469	19,698	23,327	82,494	426,586
Waikapu	0	0	0	0	0	0	68	23,060	28,503	24,546	25,496	28,494	78,536	130,167
Wailuku 1	2,416	20,803	24,719	10,521	25,622	36,000	66,036	50,102	14,930	0	0	0	0	251,149
Wailuku 2	65,379	65,426	65,471	65,518	65,564	65,609	65,656	65,701	65,747	65,794	61,028	61,994	188,816	778,887
DAILY AVERAGE	16,084	16,222	18,145	18,966	17,613	17,640	17,293	16,653	13,999	13,177	12,861	13,289	13,114	16,000
Kepaniwai 511	21,600	22,311	21,600	22,259	22,315	21,308	21,685	21,600	22,316	22,315	20,880	22,320	65,515	262,508
Iao Tunnel	47,672	49,045	48,108	49,339	49,182	48,538	50,327	48,440	49,904	49,310	46,060	49,868	145,238	585,794
DAILY AVERAGE	2,309	2,302	2,324	2,310	2,306	2,328	2,323	2,335	2,330	2,310	2,308	2,329	34,700	2,318
N. Waihee #1	21,500	21,586	21,633	22,366	11,494	0	0	0	0	0	0	0	0	98,579
N. Waihee #2	26,498	26,815	25,490	27,080	27,203	20,848	15,406	19,584	35,180	37,482	32,028	31,512	101,022	325,126
Kanoa #1	16,436	17,118	15,886	21,818	21,979	33,380	31,646	30,389	32,066	30,400	27,810	31,549	89,759	310,476
Kanoa #2	19,113	18,479	19,350	20,237	21,819	25,892	27,914	31,250	29,896	27,227	25,723	27,667	80,617	294,566
Kupaa	41,550	39,849	41,738	44,486	42,594	45,711	51,467	48,585	48,524	46,584	48,442	51,784	146,810	551,314
DAILY AVERAGE	4,170	3,995	4,137	4,387	4,035	4,194	4,078	4,327	4,699	4,571	4,621	4,597	63,140	4,317
Maui Lani #5	6,013	5,756	5,436	5,932	6,223	2,959	1,349	663	40	979	27	392	1,398	35,769
Maui Lani #6	11,181	11,306	11,011	11,240	11,992	11,574	12,295	10,980	11,357	11,298	10,642	11,338	33,278	135,214
Maui Lani #7	16,011	16,331	16,123	16,521	17,067	16,266	16,736	16,213	16,758	15,721	15,679	16,745	48,145	196,170
DAILY AVERAGE	1,107	1,077	1,086	1,087	1,138	1,027	948	929	908	903	909	919	910	1,003
UpCountry														
Haiku	8,043	8,727	9,753	11,113	9,554	9,210	9,294	8,861	8,479	8,357	7,673	7,750	23,780	106,813
H' Poko #1	0	0	0	17	210	0	0	134	234	0	0	0	0	595
H' Poko #2	0	0	0	0	0	0	0	0	214	0	0	0	0	214
Kaupakalua	15,193	17,034	19,509	20,460	18,370	17,321	16,906	16,986	16,951	17,642	15,329	15,663	48,634	207,363
Pookela	39	93	5,120	10,846	1,468	79	460	18,991	32,102	33	37	297	367	69,565
DAILY AVERAGE	776	834	1,146	1,369	955	887	860	1,499	1,870	840	794	765	800	1,051
Lahaina														
Kanaha 575	2,546	3,670	8,256	8,739	9,064	4,456	86	4,191	5,599	1,897	510	15	2,422	49,029
Kanaha 576	685	1,178	201	263	1,499	5,937	8,224	6,449	4,816	1,524	1,208	27	2,759	32,012
Waipuka 559	1,437	719	6,677	6,851	7,083	9,034	9,002	9,173	8,425	3,255	1,385	14	4,654	63,055
Waipuka 560	2,203	4,364	2,632	3,730	3,909	7,670	8,064	9,108	8,935	2,394	4,714	16	7,124	57,739
Napili A 569	1,150	1,010	1,945	2,714	822	166	1,510	1,536	542	260	65	458	783	12,179
Napili B 570	379	595	573	19,065	25,645	21,907	15,438	5,092	2,096	1,475	3,844	8,320	13,639	104,428
Napili C 571	40,854	42,341	39,988	31,309	10,834	4,593	18,269	31,897	41,545	34,863	35,499	41,792	112,154	373,784
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	12,006	11,829	14,384	4,668	17,289	28,313	27,345	18,120	4,798	564	236	511	1,311	140,063
DAILY AVERAGE	2,042	2,120	2,489	2,495	2,456	2,736	2,837	2,852	2,476	1,491	1,637	1,650	1,592	2,274
Hana														
Hamoia 597	1,290	5,217	5,510	3,004	41	1	2	1	1	1	2	123	126	15,193
Hamoia #2	4,353	306	47	3,284	4,808	4,933	5,765	7,214	7,238	7,129	7,216	7,127	21,472	59,419
Kearnae #1	654	0	526	128	0	62	12	0	383	910	1,043	1,089	3,042	4,808
Kearnae #2	269	239	394	838	805	793	812	873	452	1	12	26	39	5,514
Wakii 550 B	2,296	2,565	2,764	2,892	2,766	2,825	3,458	1,412	1	751	8	104	863	21,842
Wakii C	35	35	0	453	2,543	2,597	1,543	1,150	3,020	2,685	3,976	3,124	9,785	21,162
DAILY AVERAGE	297	270	308	342	354	374	374	355	358	370	423	374	388	350
Molokai														
Kawela 551	13	7	27	6,082	12	2,526	6,619	5,091	7,690	8,441	6,528	4,338	19,307	47,373
Kawela 552	4,483	4,675	4,024	1,336	4,540	589	5	4	5	5	1,282	1,422	2,709	22,370
Ualapue 553	4,797	4,209	2,267	436	7,658	6,729	4,651	4,689	5,630	3,874	4,605	4,417	12,896	53,961
Ualapue 554	2,386	3,402	6,136	7,258	29	1,904	2,082	1,830	8	447	17	19	483	25,518
Kualapuu	16,728	17,230	17,609	14,548	17,981	18,791	9,156	10,299	9,402	8,337	7,784	10,865	26,986	158,730
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	947	952	1,002	957	975	1,018	726	730	733	681	697	679	686	841

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 3/31/20	% Sustainable Yield
Wailuku	Waikapu	3					
	lao	20					
			Mokuhanu 1	5330-09	103,501,000	282,790	1.41%
			Mokuhanu 2	5330-10	0	0	0.00%
			Mokuhanu 3	5330-11	911,720,000	2,491,038	12.46%
			Waihee 1	5431-02	915,727,000	2,501,986	12.51%
			Waihee 2	5431-03	521,437,000	1,424,691	7.12%
			Waihee 3	5431-04	1,375,347,000	3,757,779	18.79%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	441,431,000	1,206,096	6.03%
0			Kepaniwai	5332-05	262,508,000	717,235	3.59%
			lao Tank Site Well	5230-02	426,586,000	1,165,536	5.83%
			Waikapu Well	5131-01	130,167,000	355,648	1.78%
			Wailuku 1	5230-04	251,149,000	686,199	3.43%
			Wailuku 2	5230-05	778,887,000	2,128,107	10.64%
	lao Subtotal					16,717,104	83.59%
	Waihee	8					
			North Waihee # 1	5631-02	98,579,000	269,342	3.37%
			North Waihee # 2	5631-03	325,126,000	888,322	11.10%
			Kanoa 1	5731-02	310,476,000	848,295	10.60%
			Kanoa 2	5731-04	294,566,000	804,825	10.06%
			Kupaa	5731-03	551,314,000	1,506,322	18.83%
	Waihee Subtotal					4,317,107	53.96%
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	35,769,000	97,730	9.77%
			Maui Lani #6	5229-05	135,214,000	369,437	36.94%
			Maui Lani #7	5229-06	196,170,000	535,984	53.60%
	Kahului Subtotal					1,003,150	100.32%
	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	69,565,000	190,068	2.72%
	Makawao Subtotal					190,068	2.72%
Koolau	Haiku	24					
			Kaupakalua	5317-01	207,363,000	566,566	2.36%
			Haiku	5419-01	106,813,000	291,839	1.22%
	Haiku Subtotal					858,404	3.58%
	Honopou	16					
	Waikamoi	37					
	Keanae	75					
			Keanae 1	5108-01	4,808,000	13,137	0.02%
			Keanae 2	5108-02	5,514,000	15,066	0.02%
	Keanae Subtotal					28,202	0.04%
Hana	Kuhiwa	14					
	Kawaipapa	31					
			Hamoal	4300-02	15,193,000	41,511	0.13%
			Hamoal	4300-03	59,419,000	162,347	0.52%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 3/31/20	% Sustainable Yield
Wailuku	Waikapu	3					
	lao	20					
			Mokuhau 1	5330-09	103,501,000	282,790	1.41%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	911,720,000	2,491,038	12.46%
			Waihee 1	5431-02	915,727,000	2,501,986	12.51%
			Waihee 2	5431-03	521,437,000	1,424,691	7.12%
			Waihee 3	5431-04	1,375,347,000	3,757,779	18.79%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	441,431,000	1,206,096	6.03%
0			Kepaniwai	5332-05	262,508,000	717,235	3.59%
			lao Tank Site Well	5230-02	426,586,000	1,165,536	5.83%
			Waikapu Well	5131-01	130,167,000	355,648	1.78%
			Wailuku 1	5230-04	251,149,000	686,199	3.43%
			Wailuku 2	5230-05	778,887,000	2,128,107	10.64%
	lao Subtotal					16,717,104	83.59%
	Waihee	8					
			North Waihee # 1	5631-02	98,579,000	269,342	3.37%
			North Waihee # 2	5631-03	325,126,000	888,322	11.10%
			Kanoa 1	5731-02	310,476,000	848,295	10.60%
			Kanoa 2	5731-04	294,566,000	804,825	10.06%
			Kupaa	5731-03	551,314,000	1,506,322	18.83%
	Waihee Subtotal					4,317,107	53.96%
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	35,769,000	97,730	9.77%
			Maui Lani #6	5229-05	135,214,000	369,437	36.94%
			Maui Lani #7	5229-06	196,170,000	535,984	53.60%
	Kahului Subtotal					1,003,150	100.32%
	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	69,565,000	190,068	2.72%
	Makawao Subtotal					190,068	2.72%
Koolau	Haiku	24					
			Kaupakalua	5317-01	207,363,000	566,566	2.36%
			Haiku	5419-01	106,813,000	291,839	1.22%
	Haiku Subtotal					858,404	3.58%
	Honopou	16					
	Waikamoi	37					
	Keanae	75					
			Keanae 1	5108-01	4,808,000	13,137	0.02%
			Keanae 2	5108-02	5,514,000	15,066	0.02%
	Keanae Subtotal					28,202	0.04%
Hana	Kuhiwa	14					
	Kawaipapa	31					
			Hamoa 1	4300-02	15,193,000	41,511	0.13%
			Hamoa 2	4300-03	59,419,000	162,347	0.52%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 3/31/20	% Sustainable Yield
			Waiuku B	4600-03	21,842,000	59,678	0.19%
			Waiuku C	4600-04	21,162,000	57,820	0.19%
	Kawaipapa Subtotal					321,355	1.04%
	Waihoi	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	12,179,000	33,276	0.42%
			Napili B	5838-02	104,428,000	285,322	3.57%
			Napili C	5838-04	373,784,000	1,021,268	12.77%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	140,063,000	382,686	4.78%
	Honolua Subtotal					1,722,552	21.53%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	49,029,000	133,959	1.91%
			Kanaha 2	5339-04	32,012,000	87,464	1.25%
			Waipuka 1	5339-01	63,055,000	172,281	2.46%
			Waipuka 2	5339-02	57,739,000	157,757	2.25%
	Launiupoko Subtotal					551,462	7.88%
	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 3/31/20	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	158,730,000	433,689	8.67%	8.67%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						433,689	8.67%	8.67%
Southeast	Kamiloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	69,743,000	190,555	3.81%	3.81%
	Kawela Subtotal						190,555	3.81%	3.81%
	Ualapue	8	8						
				Ualapue	0449-01	79,479,000	217,156	2.71%	2.71%
	Ualapue Subtotal						217,156	2.71%	2.71%
	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						

