

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

March 5, 2020

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COUNTY CLERK

APPROVED FOR TRANSMITTAL

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


Acting Mayor
3/5/2020
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 February 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,

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

Attachments

COUNTY COMMUNICATION NO. 20-157

"By Water All Things Find Life"

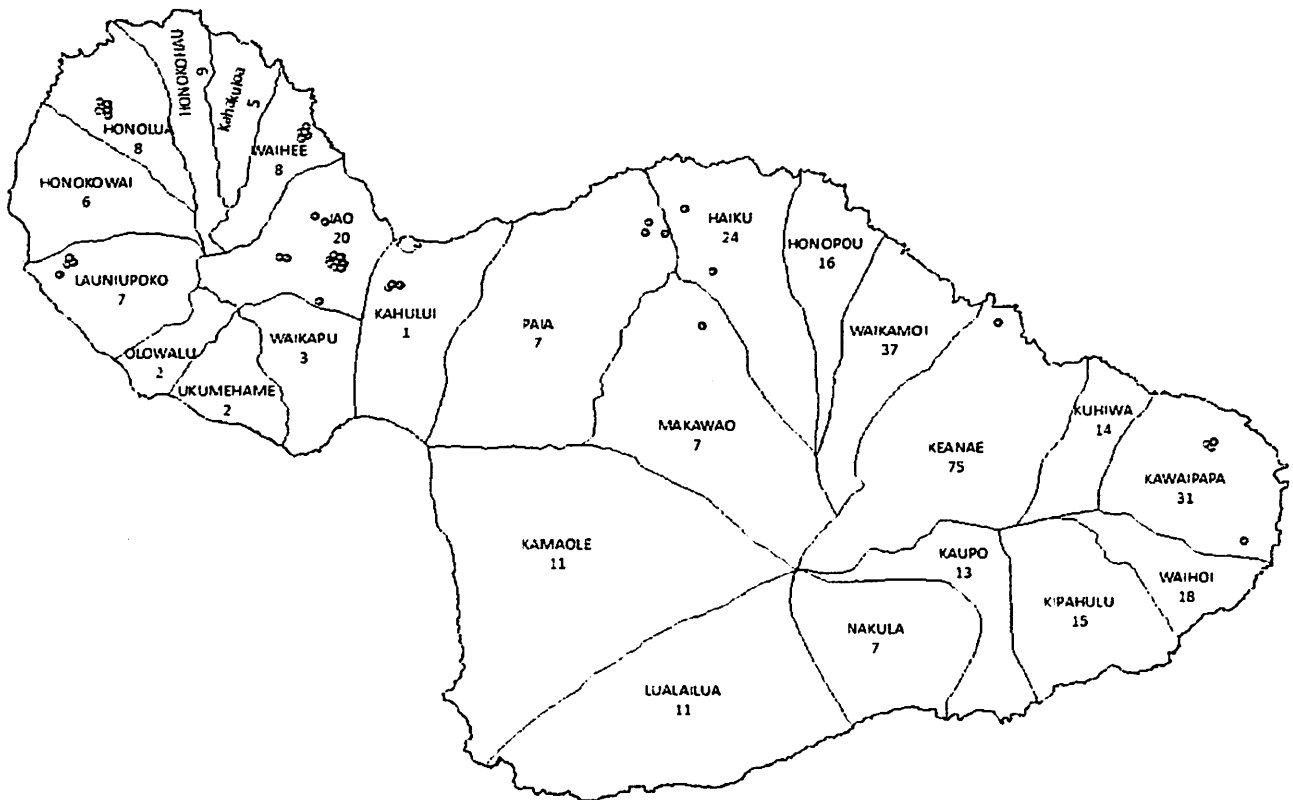
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	4,186	5,969	8,196	8,507	18,294	16,097	9,895	15,195	4,790	9,335	3,000	1,900	4,900	105,364
Mokuhau 503	84,533	103,009	99,817	102,934	113,249	82,568	67,880	62,437	53,546	57,053	53,970	53,798	107,768	934,794
Waihee 577	72,635	54,788	58,615	67,567	75,309	72,408	74,780	75,771	81,752	95,203	102,360	71,305	173,665	902,492
Waihee 578	65,783	56,816	56,001	66,120	74,647	68,580	71,701	71,785	55,787	0	0	0	0	587,220
Waihee 579	82,562	119,714	118,604	120,350	131,591	122,067	109,609	122,163	109,398	107,541	88,223	109,853	198,076	1,341,673
Walehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walehu Hts 515	32,916	35,934	37,934	39,969	42,148	40,529	39,660	41,071	37,060	33,858	31,123	29,880	61,003	442,081
Iao	37,290	38,485	37,486	48,710	56,661	52,578	54,068	15,908	18,386	21,809	39,469	19,698	59,167	440,549
Walkapu	0	0	0	0	0	0	0	68	23,060	28,503	24,546	25,496	50,042	101,673
Wailuku 1	4,821	2,416	20,803	24,719	10,521	25,622	36,000	66,036	50,102	14,930	0	0	0	255,970
Wailuku 2	65,334	65,379	65,426	65,471	65,518	65,564	65,609	65,656	65,701	65,747	65,794	61,028	126,822	782,227
DAILY AVERAGE	14,518	16,084	16,222	18,145	18,966	17,813	17,840	17,293	16,653	13,999	13,177	12,861	13,024	16,104
Kepanuiwai 511	22,320	21,600	22,311	21,600	22,259	22,315	21,308	21,685	21,600	22,316	22,315	20,880	43,195	262,508
Iao Tunnel	49,110	47,672	49,045	48,108	49,339	49,182	48,538	50,327	48,440	49,904	49,310	46,060	95,370	585,036
DAILY AVERAGE	2,304	2,309	2,302	2,324	2,310	2,306	2,328	2,323	2,335	2,330	2,310	2,308	32,371	2,316
<i>N. Waihee #1</i>														
N. Waihee #1	21,979	21,500	21,586	21,633	22,366	11,494	0	0	0	0	0	0	0	120,558
<i>N. Waihee #2</i>														
N. Waihee #2	26,965	26,498	26,815	25,490	27,080	27,203	20,848	15,406	19,584	35,180	37,482	32,028	69,510	320,579
<i>Kanoa #1</i>														
Kanoa #1	14,943	16,436	17,118	15,886	21,818	21,979	33,380	31,646	30,389	32,066	30,400	27,810	58,210	293,870
<i>Kanoa #2</i>														
Kanoa #2	19,401	19,113	18,479	19,350	20,237	21,819	25,892	27,914	31,259	29,896	27,227	25,723	52,950	286,299
<i>Kupaa</i>														
Kupaa	42,390	41,550	39,849	41,738	44,486	42,594	45,711	51,467	48,585	48,524	46,584	48,442	95,026	541,920
DAILY AVERAGE	4,054	4,170	3,995	4,137	4,387	4,035	4,194	4,078	4,327	4,899	4,571	4,621	58,543	4,271
<i>Maul Lani #5</i>														
Maul Lani #5	3,476	6,013	5,756	5,436	5,932	6,223	2,959	1,349	663	40	979	27	1,006	38,852
<i>Maul Lani #6</i>														
Maul Lani #6	16,337	11,181	11,306	11,011	11,240	11,992	11,574	11,295	10,980	11,357	11,298	10,642	21,940	140,212
<i>Maul Lani #7</i>														
Maul Lani #7	14,388	16,011	16,331	16,123	16,521	17,067	16,266	16,736	16,213	16,758	15,721	15,679	31,400	193,812
DAILY AVERAGE	1,103	1,107	1,077	1,086	1,087	1,138	1,027	948	929	908	903	809	908	1,019
<i>UpCountry</i>														
Haiku	7,592	8,043	8,727	9,753	11,113	9,554	9,210	9,294	8,861	8,479	8,357	7,673	16,030	106,655
<i>H' Poko #1</i>														
H' Poko #1	0	0	0	0	17	210	0	0	134	234	0	0	0	595
<i>H' Poko #2</i>														
H' Poko #2	0	0	0	0	0	0	0	0	0	214	0	0	0	214
<i>Kaupakelua</i>														
Kaupakelua	15,404	15,193	17,034	19,509	20,460	18,370	17,321	16,906	16,986	16,951	17,642	15,329	32,971	207,104
<i>Pookela</i>														
Pookela	84	39	93	5,120	10,846	1,468	79	460	18,991	32,102	33	37	70	69,351
DAILY AVERAGE	745	776	834	1,146	1,369	955	887	860	1,499	1,870	840	794	818	1,049
<i>Lahaina</i>														
Kanaha 575	1,421	2,546	3,670	8,256	8,739	9,064	4,456	86	4,191	5,599	1,897	510	2,407	50,435
Kanaha 576	539	685	1,178	201	263	1,499	5,937	8,224	6,449	4,816	1,524	1,208	2,732	32,523
Waipuka 559	1,047	1,437	719	6,677	6,851	7,083	9,034	9,002	9,173	8,425	3,255	1,385	4,640	64,088
Waipuka 560	1,569	2,203	4,364	2,632	3,730	3,909	7,670	8,064	9,108	8,935	2,394	4,714	7,108	59,291
Napili A 569	1,274	1,150	1,010	1,945	2,714	822	166	1,510	1,536	542	260	65	325	12,995
Napili B 570	245	379	595	573	19,065	25,645	21,907	15,438	5,092	2,096	1,475	3,844	5,319	96,353
Napili C 571	41,518	40,854	42,341	39,988	31,309	10,834	4,593	18,269	31,897	41,545	34,863	35,499	70,362	373,510
<i>Honokahua A 572</i>														
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Honokahua B 573</i>														
Honokahua B 573	6,901	12,006	11,829	14,384	4,668	17,289	28,313	27,345	18,120	4,798	564	236	800	146,453
DAILY AVERAGE	1,758	2,042	2,120	2,489	2,495	2,456	2,736	2,837	2,852	2,476	1,491	1,637	1,562	2,283
<i>Hana</i>														
Hamoia 597	13	1,290	5,217	5,510	3,004	41	1	2	1	1	1	2	3	15,083
Hamoia #2	5,936	4,353	306	47	3,284	4,808	4,933	5,765	7,214	7,238	7,129	7,216	14,345	58,228
Keanae #1	857	654	0	526	128	0	62	12	0	383	910	1,043	1,953	4,576
Keanae #2	1	269	239	394	838	805	793	812	873	452	1	12	13	5,489
Waktu 550 B	2,286	2,296	2,585	2,764	2,892	2,766	2,825	3,458	1,412	1	751	8	759	24,024
Waktu C	35	35	35	0	453	2,543	2,597	1,543	1,150	3,020	2,685	3,976	6,661	18,073
DAILY AVERAGE	294	297	270	308	342	354	374	374	355	358	370	423	398	343
<i>Molokai</i>														
Kawela 551	5	13	7	27	6,082	12	2,526	6,619	5,091	7,690	8,441	6,528	14,969	43,040
Kawela 552	4,347	4,483	4,675	4,024	1,336	4,540	589	5	4	5	5	1,282	1,287	25,295
Ualapue 553	2,573	4,797	4,209	2,267	436	7,658	6,729	4,651	4,689	5,630	3,874	4,605	8,479	52,117
Ualapue 554	3,628	2,386	3,402	6,136	7,258	29	1,904	2,082	1,830	8	447	17	464	29,127
Kualapuu	15,266	16,728	17,230	17,609	14,548	17,981	18,791	9,156	10,299	9,402	8,337	7,784	16,121	163,131
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	833	947	952	1,002	957	975	1,018	726	730	733	681	697	689	854

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 2/29/20	% Sustainable Yield	
Wailuku	Waikapu	3						
		Iao	20					
				Mokuhau 1	5330-09	105,364,000	287,880	1.44%
				Mokuhau 2	5330-10	0	0	0.00%
				Mokuhau 3	5330-11	934,794,000	2,554,082	12.77%
				Waihee 1	5431-02	902,492,000	2,465,825	12.33%
				Waihee 2	5431-03	587,220,000	1,604,426	8.02%
				Waihee 3	5431-04	1,341,673,000	3,665,773	18.33%
				Waiehu Heights 1	5430-01	0	0	0.00%
				Waiehu Heights 2	5430-02	442,081,000	1,207,872	6.04%
	0			Kepaniwai	5332-05	262,508,000	717,235	3.59%
				Iao Tank Site Well	5230-02	440,549,000	1,203,686	6.02%
			Waikapu Well	5131-01	101,673,000	277,795	1.39%	
			Wailuku 1	5230-04	255,970,000	699,372	3.50%	
			Wailuku 2	5230-05	782,227,000	2,137,232	10.69%	
	Iao Subtotal					16,821,178	84.11%	
	Waihee	8						
			North Waihee # 1	5631-02	120,558,000	329,393	4.12%	
			North Waihee # 2	5631-03	320,579,000	875,899	10.95%	
			Kanoa 1	5731-02	293,870,000	802,923	10.04%	
			Kanoa 2	5731-04	286,299,000	782,238	9.78%	
			Kupaa	5731-03	541,920,000	1,480,656	18.51%	
	Waihee Subtotal					4,271,109	53.39%	
	Kahakuloa	5						
Central	Kahului	1						
			Maui Lani #5	5229-04	38,852,000	106,153	10.62%	
			Maui Lani #6	5229-05	140,212,000	383,093	38.31%	
			Maui Lani #7	5229-06	193,812,000	529,541	52.95%	
	Kahului Subtotal					1,018,787	101.88%	
	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	69,351,000	189,484	2.71%	
	Makawao Subtotal					189,484	2.71%	
Koolau	Haiku	24						
			Kaupakalua	5317-01	207,104,000	565,858	2.36%	
			Haiku	5419-01	106,655,000	291,407	1.21%	
	Haiku Subtotal					857,265	3.57%	
	Honopou	16						
	Waikamoi	37						
	Kearae	75						
			Kearae 1	5108-01	4,576,000	12,503	0.02%	
			Kearae 2	5108-02	5,489,000	14,997	0.02%	
	Kearae Subtotal					27,500	0.04%	
Hana	Kuhiwa	14						
	Kawaipapa	31						
			Hamoia 1	4300-02	15,083,000	41,210	0.13%	
			Hamoia 2	4300-03	58,228,000	159,093	0.51%	

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 2/29/20	% Sustainable Yield
			Wakiu B	4600-03	24,024,000	65,639	0.21%
			Wakiu C	4600-04	18,073,000	49,380	0.16%
	Kawaiapa Subtotal					315,322	1.02%
	Waiholi	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Luailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	12,995,000	35,505	0.44%
			Napili B	5838-02	96,353,000	263,260	3.29%
			Napili C	5838-04	373,510,000	1,020,519	12.76%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	146,453,000	400,145	5.00%
	Honolua Subtotal					1,719,429	21.49%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	50,435,000	137,801	1.97%
			Kanaha 2	5339-04	32,523,000	88,861	1.27%
			Waipuka 1	5339-01	64,088,000	175,104	2.50%
			Waipuka 2	5339-02	59,291,000	161,997	2.31%
	Launiupoko Subtotal					563,762	8.05%
	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 2/29/20	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	163,131,000	445,713	8.91%	8.91%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal					445,713	8.91%	8.91%	
Southeast	Kamiloloa	3	3						
	Kawela	5	5	Kawela	0457-01	68,335,000	186,708	3.73%	3.73%
				Kawela Subtotal			186,708	3.73%	3.73%
	Ualapue	8	8						
	Ualapue Subtotal			Ualapue	0449-01	81,244,000	221,978	2.77%	2.77%
	Ualapue Subtotal					221,978	2.77%	2.77%	
	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						

