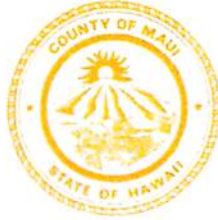


MICHAEL P. VICTORINO
Mayor

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

August 5, 2019

RECEIVED

2019 AUG -5 PM 3:05

OFFICE OF THE MAYOR

OFFICE OF THE
COUNTY CLERK

2019 AUG -6 AM 11:41

RECEIVED

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

 8/6/19
Acting 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 July 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. 19-335

"By Water All Things Find Life"

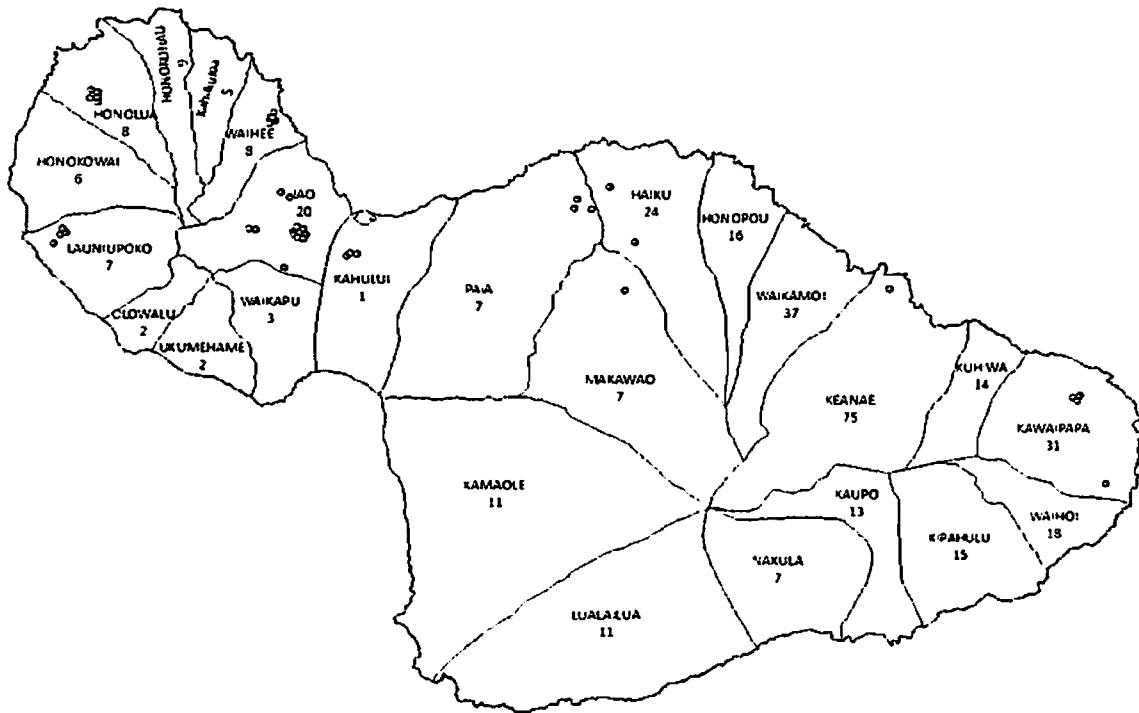
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Current Year	Last 12 Months
Central														
Mokuau 501	5,095	6,954	13,895	2,129	53	1,848	1,260	4,188	5,969	8,196	8,507	18,294	48,260	76,366
Mokuau 503	80,188	73,744	79,107	72,752	71,350	72,937	51,824	84,533	103,009	99,817	102,934	113,249	628,303	1,005,442
Waihee 577	48,300	61,800	59,391	71,434	56,720	48,468	38,573	72,635	54,788	58,615	67,567	75,309	415,954	713,398
Waihee 578	47,002	43,205	51,837	59,549	49,091	42,530	40,065	65,783	56,816	56,001	66,120	74,847	401,962	652,647
Waihee 579	114,312	101,291	107,822	86,195	105,339	121,523	74,522	82,562	119,714	118,604	120,350	131,591	768,864	1,283,823
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	35,714	33,880	33,788	30,896	31,501	33,365	27,396	32,918	35,934	37,934	39,969	42,148	249,662	415,450
Iao	34,954	11,840	7,151	21,686	48,968	39,308	39,383	37,290	38,485	37,488	48,710	56,681	297,324	421,923
Waikapu	34,820	32,130	36,210	34,088	33,777	34,938	20,597	0	0	0	0	0	55,535	228,565
Wailuku 1	49,574	49,245	48,328	12,662	12,061	6,217	12,085	4,821	2,416	20,803	24,719	10,521	81,582	253,449
Wailuku 2	65,017	65,062	65,108	65,153	65,200	65,246	65,288	65,334	65,379	65,426	65,471	65,518	457,602	783,201
DAILY AVERAGE	16,612	15,965	16,214	15,218	15,292	15,045	13,250	14,518	16,084	16,222	16,145	16,968	16,682	15,979
Kopaniwai 511	22,038	21,492	22,320	21,800	22,238	22,320	19,525	22,320	21,600	22,311	21,600	22,259	151,934	261,621
Iao Tunnel	49,125	47,362	48,854	47,702	49,273	49,230	44,150	49,110	47,672	49,045	48,108	49,339	336,655	578,972
DAILY AVERAGE	2,298	2,295	2,298	2,310	2,307	2,308	2,274	2,304	2,309	2,302	2,324	2,310	16,130	2,303
N. Waihee #1	30,025	25,739	22,767	23,275	21,441	21,788	18,845	21,979	21,500	21,588	21,633	22,306	149,697	272,944
N. Waihee #2	22,250	21,359	26,328	26,981	23,103	26,760	22,066	28,965	26,498	26,815	25,490	27,080	180,673	300,693
Kaheo #1	30,596	24,849	17,911	17,401	7,570	14,356	10,294	14,943	16,436	17,118	15,898	21,818	110,850	209,277
Kaheo #2	15,652	19,981	18,693	18,526	29,514	19,443	16,543	19,401	19,113	18,479	19,350	20,237	132,584	234,931
Kupaa	37,801	38,183	37,420	32,065	48,741	39,263	27,014	42,390	41,550	39,849	41,738	44,488	276,280	470,480
DAILY AVERAGE	4,398	4,340	3,972	3,942	4,205	3,891	3,384	4,054	4,170	3,995	4,137	4,387	28,017	4,078
Maui Lani #5	5,943	6,115	5,920	5,734	5,964	5,969	8,526	3,476	6,013	5,756	5,436	5,932	41,107	70,793
Maui Lani #8	11,348	11,209	11,326	11,376	11,368	11,376	16,704	16,337	11,181	11,308	11,011	11,240	89,147	145,414
Maui Lani #7	16,671	16,411	16,698	16,197	16,753	16,828	11,848	14,388	16,011	16,331	16,123	16,521	108,048	190,777
DAILY AVERAGE	1,095	1,125	1,095	1,098	1,100	1,102	1,324	1,103	1,107	1,077	1,086	1,087	1,124	1,115
UpCountry														
Haiku	3,336	8,801	8,131	7,743	7,728	8,412	7,916	7,592	8,043	8,727	9,753	11,113	61,554	97,293
H' Peko #1	0	0	0	0	0	0	0	0	0	0	0	17	17	17
H' Peko #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kaupakalua	15,709	14,631	15,359	16,366	22,750	15,909	14,007	15,404	15,193	17,034	19,509	20,460	117,516	202,332
Pookela	81	122	133	23	121	265	236	84	39	93	5,120	10,848	16,882	17,162
DAILY AVERAGE	617	785	762	804	957	793	791	745	776	834	1,146	1,369	923	868
Lahaina														
Kanaha 575	3,610	2,325	1,992	1,598	757	4,116	635	1,421	2,546	3,670	8,256	8,739	29,382	39,665
Kanaha 576	232	1,263	1,253	16	75	266	239	539	685	1,178	201	263	3,371	6,209
Waipuka 559	2,693	1,147	730	58	1,183	1,514	241	1,047	1,437	719	6,677	6,851	18,486	24,258
Waipuka 560	2,431	2,336	2,376	2,011	166	3,280	587	1,509	2,203	4,364	2,632	3,730	16,364	27,668
Napili A 569	15,823	6,152	3,305	1,159	420	1,127	438	1,274	1,150	1,010	1,945	2,714	9,659	36,518
Napili B 570	0	0	0	0	0	0	0	245	379	595	573	19,065	20,856	20,856
Napili C 571	9,739	27,463	40,136	37,515	40,443	40,053	37,522	41,518	40,854	42,341	39,988	31,309	273,585	428,901
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	20,400	7,869	9,102	3,636	6,062	6,763	1,575	6,901	12,006	11,829	14,384	4,668	58,126	105,195
DAILY AVERAGE	1,772	1,619	1,990	1,533	1,584	1,843	1,473	1,758	2,042	2,120	2,489	2,495	2,037	1,889
Hana														
Hamao 597	2,555	4,361	1,543	5,033	418	4,484	1,447	13	1,290	5,217	5,510	3,004	20,964	34,874
Hamao #2	3,219	1,324	4,058	2	5,678	1,222	3,463	5,936	4,353	306	47	3,284	18,610	32,889
Keanae #1	872	601	234	695	880	787	725	857	654	0	526	128	3,678	6,960
Keanae #2	5	150	589	1	0	1	0	1	269	239	394	838	1,742	2,487
Waiuku 550 B	2,225	1,282	3,546	2,293	2,029	1,932	2,038	2,286	2,296	2,565	2,784	2,892	16,773	28,148
Waiuku C	1,659	2,518	607	1	2	318	4	35	35	35	0	453	881	5,669
DAILY AVERAGE	340	341	341	267	291	282	274	294	297	270	368	342	296	304
Molokai														
Kawela 551	1	1	7	8	6	9	4	5	13	7	27	6,082	6,147	6,169
Kawela 552	3,671	3,932	4,437	4,724	4,424	4,301	3,404	4,347	4,483	4,675	4,024	1,336	26,570	47,958
Ualapuu 553	2,066	3,381	2,383	681	1,642	4,137	3,090	4,797	4,797	4,209	2,267	436	21,568	31,661
Ualapuu 554	5,028	1,529	2,543	4,480	3,899	1,196	1,243	3,626	2,366	3,402	6,136	7,258	25,248	42,728
Kualapuu	18,039	18,041	18,191	18,592	14,639	15,558	10,438	15,268	18,728	17,230	17,809	14,548	107,378	189,480
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	955	829	825	883	794	813	649	833	947	952	1,002	957	881	871

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 7/31/19	% Sustainable Yield
Wailuku	Waikapu	3					
	Iao	20					
			Mokuhau 1	5330-09	76,386,000	209,277	1.05%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	1,005,442,000	2,754,638	13.77%
			Waihee 1	5431-02	713,398,000	1,954,515	9.77%
			Waihee 2	5431-03	652,647,000	1,788,074	8.94%
			Waihee 3	5431-04	1,283,823,000	3,517,323	17.59%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	415,450,000	1,138,219	5.69%
0			Kepaniwai	5332-05	261,621,000	716,770	3.58%
			Iao Tank Site Well	5230-02	421,923,000	1,155,953	5.78%
			Waikapu Well	5131-01	226,565,000	620,726	3.10%
			Wailuku 1	5230-04	253,449,000	694,381	3.47%
			Wailuku 2	5230-05	783,201,000	2,145,756	10.73%
	Iao Subtotal					16,695,630	83.48%
	Waihee	8					
			North Waihee # 1	5631-02	272,944,000	747,792	9.35%
			North Waihee # 2	5631-03	300,693,000	823,818	10.30%
			Kanoa 1	5731-02	209,277,000	573,362	7.17%
			Kanoa 2	5731-04	234,931,000	643,647	8.05%
			Kupaa	5731-03	470,480,000	1,288,986	16.11%
	Waihee Subtotal					4,077,603	50.97%
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	70,783,000	193,926	19.39%
			Maui Lani #6	5229-05	145,414,000	398,395	39.84%
			Maui Lani #7	5229-06	190,777,000	522,677	52.27%
	Kahului Subtotal				1,340,000	1,114,997	111.50%
	Kamaole	11					
	Pala	7					
			Hamakuapoko 1	5420-02	17	0	0.00%
			Hamakuapoko 2	5320-01	0	0	0.00%
	Pala Subtotal					0	0.00%
	Makawao	7					
			Pookela	5118-02	17,162,000	47,019	0.67%
	Makawao Subtotal					47,019	0.67%
Koolau	Haiku	24					
			Kaupakalua	5317-01	202,332,000	554,334	2.31%
			Haiku	5419-01	97,293,000	266,556	1.11%
	Haiku Subtotal				0	820,890	3.42%
	Honopou	16					
	Waikamoi	37					
	Keanae	75					
			Keanae 1	5108-01	6,960,000	19,068	0.03%
			Keanae 2	5108-02	2,487,000	6,814	0.01%
	Keanae Subtotal					25,882	0.03%
Hana	Kuhiwa	14					
	Kawalpapa	31					
			Hamoia 1	4300-02	34,874,000	95,545	0.31%
			Hamoia 2	4300-03	32,889,000	90,107	0.29%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 7/31/19	% Sustainable Yield
			Wakiu B	4600-03	28,148,000	77,118	0.25%
			Wakiu C	4600-04	5,669,000	15,532	0.05%
	Kawaiipapa Subtotal					278,301	0.90%
	Waihoi	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Lualaba	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	36,518,000	100,049	1.25%
			Napili B	5838-02	20,856,000	57,140	0.71%
			Napili C	5838-04	428,901,000	1,175,071	14.69%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	105,195,000	288,205	3.60%
	Honolua Subtotal					1,620,466	20.26%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	39,665,000	108,671	1.55%
			Kanaha 2	5339-04	6,209,000	17,011	0.24%
			Waipuka 1	5339-01	24,298,000	66,570	0.95%
			Waipuka 2	5339-02	27,688,000	75,858	1.08%
	Launiupoko Subtotal					268,110	3.83%
	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 7/31/19	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	189,480,000	519,123	10.38%	10.38%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						519,123	10.38%	10.38%
Southeast	Kamilotoa	3	3						
	Kawela	5	5						
				Kawela	0457-01	54,127,000	148,293	2.97%	2.97%
	Kawela Subtotal						148,293	2.97%	2.97%
	Ualapue	8	8						
	Ualapue Subtotal			Ualapue	0449-01	74,389,000	203,805	2.55%	2.55%
	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						
	Waialua	6							

