

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.mauicounty.gov/water

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COUNTY CLERK

January 7, 2022

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

APPROVED FOR TRANSMITTAL

Michael P Victor 1/7/22
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 December 2021.

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. 22-14

"By Water All Things Find Life"

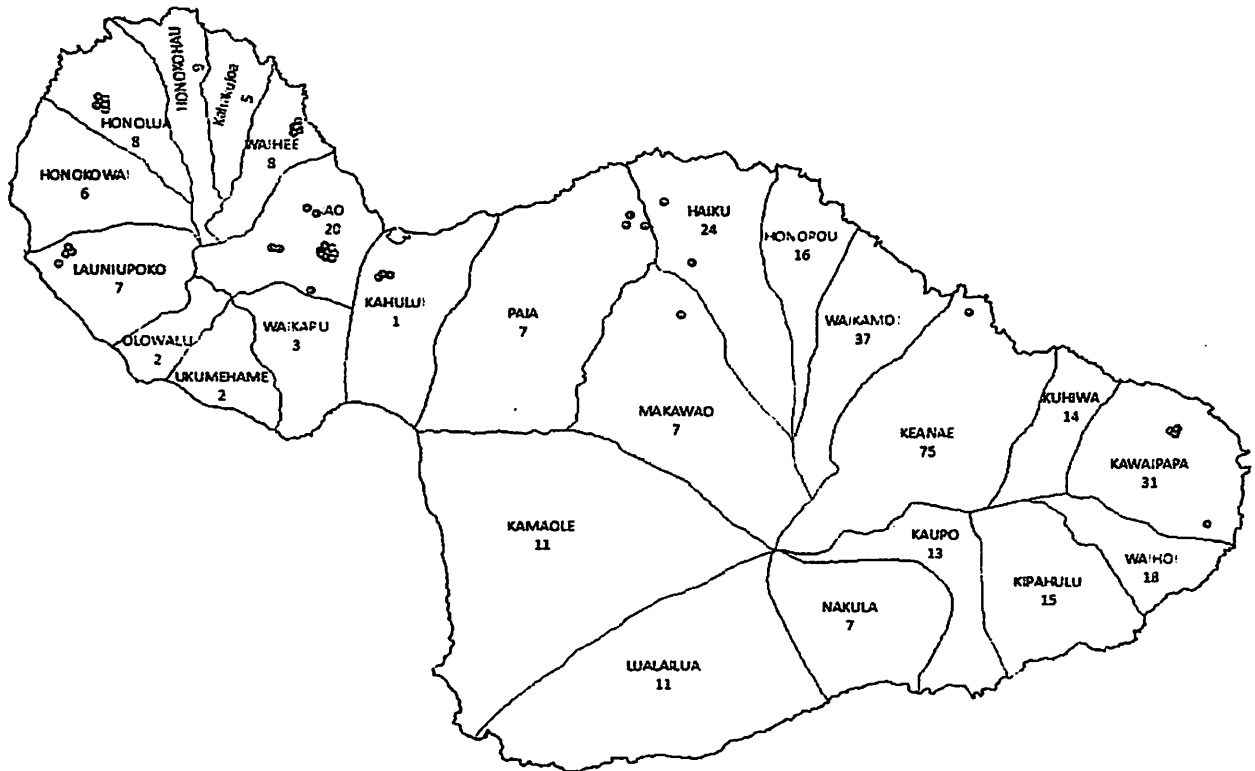
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Current Year	Last 12 Months
<i>Central</i>														
Mokuhan 501	5,734	3,197	1,524	925	7,353	18,671	11,108	14,228	15,793	10,743	995	100	90,371	90,371
Mokuhan 503	62,668	39,891	46,146	53,661	75,762	77,789	90,485	74,183	57,698	76,575	72,090	66,871	793,819	793,819
Waihee 577	42,529	85,879	82,611	66,581	54,832	52,889	60,631	67,021	74,522	74,715	70,213	68,779	801,202	801,202
Waihee 578	28,534	38,953	49,324	56,938	50,970	59,924	61,793	71,811	73,674	72,529	69,390	34,539	668,379	668,379
Waihee 579	100,869	15,732	40,537	80,491	111,665	120,276	122,846	115,585	74,349	72,357	74,466	62,722	991,895	991,895
Waihehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waihehu Hts 515	40,785	34,592	37,380	39,746	43,013	44,486	43,113	42,861	42,247	42,221	40,662	37,347	488,453	488,453
Waihehu Hts 515	30,787	5,756	40,031	31,431	36,286	51,523	33,150	17,907	39,419	17,417	51,740	18,645	374,092	374,092
Waihehu Hts 515	29,330	26,567	26,592	32,126	33,252	36,286	37,242	35,545	40,643	40,531	36,146	31,699	401,941	401,941
Waihehu Hts 515	10,650	39,641	32,768	43,225	37,599	42,290	34,441	46,442	22,683	51,467	22,489	59,817	443,512	443,512
Waihehu Hts 515	22,724	22,664	9,318	0	0	416	24,123	32,859	24,407	8,670	4,844	247	150,272	150,272
DAILY AVERAGE	12,084	11,174	11,814	13,371	14,540	16,818	16,740	16,724	15,515	15,072	14,768	12,283	14,257	14,257
Kepaniwai 511	22,313	17,942	19,811	19,224	19,861	19,114	19,865	19,636	19,144	19,636	19,224	19,860	235,630	235,630
Iao Tunnel	50,296	45,352	46,115	30,895	30,946	30,902	32,450	33,289	32,255	33,289	32,679	26,895	425,363	425,363
DAILY AVERAGE	2,342	2,261	2,127	1,671	1,639	1,667	1,688	1,707	1,713	1,707	1,730	1,508	1,811	1,811
N. Waihee #1	27,458	44,246	44,897	46,966	48,942	47,203	49,039	17,730	15,654	17,730	15,766	11,508	387,139	387,139
N. Waihee #2	2,347	47	176	1,718	217	231	423	14,843	13,247	14,843	13,771	12,937	74,800	74,800
Kanoa #1	37,668	43,974	46,479	45,831	51,664	52,637	54,774	32,703	30,184	32,703	28,933	27,798	485,348	485,348
Kanoa #2	12,806	68	289	497	400	252	377	26,454	26,611	26,454	27,866	25,822	147,896	147,896
Kupaa	48,926	48,615	48,780	48,896	50,162	49,148	49,850	48,123	49,635	49,635	48,109	47,645	585,524	585,524
DAILY AVERAGE	4,168	4,820	4,536	4,797	4,883	4,982	4,983	4,560	4,461	4,560	4,482	4,055	4,605	4,605
Maui Lani #5	79	141	75	77	68	86	459	46	408	4,243	4,780	5,053	15,495	15,495
Maui Lani #6	11,316	9,683	11,103	10,728	10,873	10,592	11,685	22,320	21,321	10,390	9,470	9,256	148,737	148,737
Maui Lani #7	16,582	14,415	16,408	15,929	16,462	15,950	15,701	10,821	10,581	14,566	15,894	16,507	179,816	179,816
DAILY AVERAGE	902	866	890	884	884	888	898	1,071	1,077	942	1,004	994	943	943
<i>UpCountry</i>														
Haiku	8,672	9,178	8,857	9,907	10,381	12,377	13,681	13,887	13,178	1,039	0	0	101,157	101,157
H' Poko #1	0	0	0	0	0	3,801	6,034	0	0	0	0	0	9,835	9,835
H' Poko #2	0	0	0	0	0	2,478	4,565	0	0	0	0	0	7,043	7,043
Kaupakalua	16,907	14,649	16,196	16,932	17,409	20,022	18,465	17,506	17,218	16,813	17,664	16,394	206,175	206,175
Pookela	99	119	60	1	0	6,638	23,812	4,893	174	7,357	26,800	7,639	77,592	77,592
DAILY AVERAGE	828	855	810	895	896	1,511	2,147	1,171	1,019	813	1,482	775	1,101	1,101
<i>Lahaina</i>														
Kanaha 575	635	715	784	86	65	5,794	5,697	7,867	5,256	2,863	3,773	2,080	35,595	35,595
Kanaha 576	1,754	2,036	1,216	254	1,940	9,385	8,735	8,467	3,062	3,485	3,631	1,235	45,200	45,200
Waipuka 559	2,449	2,418	1,365	330	2,604	9,235	7,840	10,303	9,549	9,192	7,866	3,511	66,662	66,662
Waipuka 560	579	719	761	102	63	6,466	10,195	10,126	8,434	6,495	5,463	1,101	50,504	50,504
Napili A 569	113	111	142	103	254	1,858	1,482	542	265	392	1,071	144	6,477	6,477
Napili B 570	11,690	4,724	2,213	7,334	22,482	16,971	15,820	14,367	25,523	24,046	21,917	18,217	185,304	185,304
Napili C 571	25,130	25,575	39,355	35,635	16,521	41,068	43,649	43,711	9,073	5,169	11,339	8,677	304,902	304,902
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	4,179	8,999	2,438	4,254	14,316	21,685	31,230	29,716	28,960	28,904	22,613	19,368	216,662	216,662
DAILY AVERAGE	1,501	1,618	1,557	1,603	1,879	3,749	4,021	4,035	3,004	2,598	2,589	1,752	2,497	2,497
<i>Hana</i>														
Hamao 597	3,717	2,115	2,813	4,527	2,486	1,186	4,419	2,380	6,323	2,184	6,132	4,238	42,520	42,520
Hamao #2	4,041	4,699	4,641	2,591	6,237	229	4,428	5,895	774	4,918	1,758	3,158	43,369	43,369
Keanae #1	499	570	2	570	1,222	124	539	741	519	650	219	722	6,216	6,216
Keanae #2	592	538	1,333	1,029	1,280	626	1,011	438	575	544	829	0	8,795	8,795
Waiuku 550 B	1,573	1,458	1,655	1,163	2,064	1,131	1,308	1,106	1,921	2,196	926	3,291	19,792	19,792
Waiuku C	1,440	1,602	1,409	2,641	1,674	2,900	2,540	2,347	1,228	2,169	2,451	116	21,407	21,407
DAILY AVERAGE	383	392	382	412	461	243	446	416	378	373	411	372	389	389
<i>Molokai</i>														
Kawela 551	8,890	8,018	8,578	7,855	9,371	9,662	1,737	1,560	7,016	9,430	395	0	72,512	72,512
Kawela 552	0	137	0	1,324	9	4	5,255	3,034	3	9	7,490	9,310	26,575	26,575
Ualapue 553	1,873	4,013	3,310	3,232	5,125	2,251	3,619	1,819	2,238	4,331	2,124	3,257	37,192	37,192
Ualapue 554	3,662	1,268	1,775	3,032	1,642	5,843	3,831	5,086	3,793	2,117	4,167	1,592	37,808	37,808
Kualapuu	7,803	7,886	8,715	10,587	12,326	13,622	16,669	17,782	13,534	12,395	12,527	8,425	142,271	142,271
Waikela Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	717	757	726	868	918	1,046	1,004	945	886	912	890	729	867	867

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 12/31/21	% Sustainable Yield
Wailuku	Waikapu	3					
	Iao	20					
			Mokuhanu 1	5330-09	90,371,000	247,592	1.24%
			Mokuhanu 2	5330-10	0	0	0.00%
			Mokuhanu 3	5330-11	793,819,000	2,174,847	10.87%
			Waihee 1	5431-02	801,202,000	2,195,074	10.98%
			Waihee 2	5431-03	668,379,000	1,831,175	9.16%
			Waihee 3	5431-04	991,895,000	2,717,521	13.59%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	488,453,000	1,338,227	6.69%
	0		Kepaniwai	5332-05	235,630,000	645,562	3.23%
			Iao Tank Site Well	5230-02	374,092,000	1,024,910	5.12%
			Waikapu Well	5131-01	401,941,000	1,101,208	5.51%
			Wailuku 1	5230-04	443,512,000	1,215,101	6.08%
			Wailuku 2	5230-05	150,272,000	411,704	2.06%
	Iao Subtotal					14,902,921	74.51%
	Waihee	8					
			North Waihee # 1	5631-02	387,139,000	1,060,655	13.26%
			North Waihee # 2	5631-03	74,800,000	204,932	2.56%
			Kanoa 1	5731-02	485,348,000	1,329,721	16.62%
			Kanoa 2	5731-04	147,896,000	405,195	5.06%
			Kupaa	5731-03	585,524,000	1,604,175	20.05%
	Waihee Subtotal					4,604,677	57.56%
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	15,495,000	42,452	4.25%
			Maui Lani #6	5229-05	148,737,000	407,499	40.75%
			Maui Lani #7	5229-06	179,816,000	492,647	49.26%
	Kahului Subtotal					942,597	94.26%
	Kamaole	11					
	Paia	7					
			Hamakuapoko 1	5420-02	9,835,000	26,945	0.38%
			Hamakuapoko 2	5320-01	7,043,000	19,296	0.28%
	Paia Subtotal					46,241	0.66%
	Makawao	7					
			Pookela	5118-02	77,592,000	212,581	3.04%
	Makawao Subtotal					212,581	3.04%
Koolau	Haiku	24					
			Kaupakalua	5317-01	206,175,000	564,863	2.35%
			Haiku	5419-01	101,157,000	277,142	1.15%
	Haiku Subtotal					842,005	3.51%
	Honopou	16					
	Waikamoi	37					
	Keanae	75					
			Keanae 1	5108-01	6,216,000	17,030	0.02%
			Keanae 2	5108-02	8,795,000	24,096	0.03%
	Keanae Subtotal					41,126	0.05%
Hana	Kuhiwa	14					
	Kawaipapa	31					
			Hamoia 1	4300-02	42,520,000	116,493	0.38%
			Hamoia 2	4300-03	43,369,000	118,819	0.38%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 12/31/21	% Sustainable Yield
			Wakiu B	4600-03	19,792,000	54,225	0.17%
			Wakiu C	4600-04	21,407,000	58,649	0.19%
	Kawaipapa Subtotal					348,186	1.12%
	Waihoi	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	6,477,000	17,745	0.22%
			Napili B	5838-02	185,304,000	507,682	6.35%
			Napili C	5838-04	304,902,000	835,348	10.44%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	216,662,000	593,595	7.42%
	Honolua Subtotal					1,954,370	24.43%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	35,595,000	97,521	1.39%
			Kanaha 2	5339-04	45,200,000	123,836	1.77%
			Waipuka 1	5339-01	66,662,000	182,636	2.61%
			Waipuka 2	5339-02	50,504,000	138,367	1.98%
	Launiupoko Subtotal					542,359	7.75%
	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 12/31/21	Sustainable Yield - % DWS	% DY MWWGR
West	Kaluakoi	2	2						
	Punakou	2	2						
Central	Hoolehua	2	2						
	Manawainui/Palaau	2	2						
	Kualapuu	5	5						
				Kualapuu	0801-03	142,271,000	389,784	7.80%	7.80%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						389,784	7.80%	7.80%
Southeast	Kamioloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	99,087,000	271,471	5.43%	5.43%
	Kawela Subtotal						271,471	5.43%	5.43%
	Ualapue	8	8						
				Ualapue	0449-01	75,000,000	205,479	2.57%	2.57%
	Ualapue Subtotal						205,479	2.57%	2.57%
	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						

