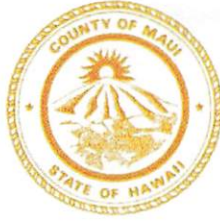


MICHAEL P. VICTORINO
Mayor

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

OFFICE OF THE
COUNTY CLERK

2021 DEC 13 AM 10:40

RECEIVED

December 6, 2021

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

APPROVED FOR TRANSMITTAL

Michael P. Victorino 12/10/21
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 November 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	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Current Year	Last 12 Months
<i>Central</i>														
Mokuhau 501	17,173	5,734	3,197	1,524	925	7,353	18,671	11,108	14,228	15,793	10,743	995	90,271	107,444
Mokuhau 503	80,161	62,668	39,891	46,146	53,661	75,762	77,789	90,485	74,183	57,698	76,575	72,090	726,948	807,109
Waihee 577	51,134	42,529	85,879	82,611	66,581	54,832	52,889	60,631	67,021	74,522	74,715	70,213	732,423	783,557
Waihee 578	46,375	28,534	38,953	49,324	56,938	50,970	59,924	61,793	71,811	73,674	72,529	69,390	633,840	680,215
Waihee 579	128,701	100,869	15,732	40,537	80,491	111,665	120,276	122,846	115,585	74,349	72,357	74,466	929,173	1,057,874
Waihehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waihehu Hts 515	43,410	40,785	34,592	37,380	39,746	43,013	44,486	43,113	42,861	42,247	42,221	40,662	451,106	494,516
Waihehu Hts 516	17,798	30,787	5,756	40,031	31,431	36,286	51,523	33,150	17,907	39,419	17,417	51,740	355,447	373,245
Waikepu	33,629	29,330	26,567	26,592	28,126	33,252	36,268	37,242	35,545	40,643	40,531	36,146	370,242	403,871
Wailuku 1	41,771	10,650	39,641	32,768	43,225	37,599	42,290	34,441	46,442	22,683	51,467	22,489	383,695	425,466
Wailuku 2	6,623	22,724	22,664	9,318	0	0	416	24,123	32,859	24,407	8,670	4,844	150,025	156,648
DAILY AVERAGE	15,057	12,084	11,174	11,814	13,371	14,540	16,818	16,740	16,724	15,515	15,072	14,768	14,441	14,493
Kepaniwai 511	22,320	22,313	17,942	19,811	19,224	19,861	19,114	19,865	19,636	19,144	19,636	19,224	215,770	238,090
Iao Tunnel	50,294	50,296	45,352	46,115	30,895	30,946	30,902	32,450	33,289	32,255	33,289	32,679	398,468	448,762
DAILY AVERAGE	2,342	2,342	2,261	2,127	1,671	1,639	1,667	1,688	1,707	1,713	1,707	1,730	1,839	1,882
N. Waihee #1	10,792	27,458	44,246	44,897	46,966	48,942	47,203	49,039	17,730	15,654	17,730	15,766	375,631	386,423
N. Waihee #2	4,044	2,347	47	176	1,718	217	231	423	14,843	13,247	14,843	13,771	61,863	65,907
Kanoea #1	26,885	37,668	43,974	46,479	45,831	51,664	52,637	54,774	32,703	30,184	32,703	28,933	457,550	484,435
Kanoea #2	22,370	12,806	68	289	497	400	252	377	26,454	26,611	26,454	27,866	122,074	144,444
Kupaa	46,704	48,926	46,615	48,780	48,896	50,162	49,148	49,850	49,635	48,123	49,635	48,109	537,879	584,583
DAILY AVERAGE	3,574	4,168	4,820	4,536	4,797	4,883	4,982	4,983	4,560	4,461	4,560	4,482	4,656	4,564
Maui Lani #5	3,840	79	141	75	77	68	86	459	46	408	4,243	4,760	10,442	14,282
Maui Lani #6	4,098	11,316	9,683	11,103	10,728	10,873	10,592	11,685	22,320	21,321	10,390	9,470	139,481	143,579
Maui Lani #7	12,796	16,582	14,415	16,408	15,929	16,462	15,950	15,701	10,821	10,581	14,566	15,894	163,309	176,105
DAILY AVERAGE	669	902	866	890	891	884	888	898	1,071	1,077	942	1,004	938	915
<i>UpCountry</i>														
Haiku	9,444	8,672	9,178	8,857	9,907	10,381	12,377	13,681	13,887	13,178	1,039	0	101,157	110,601
H' Poko #1	0	0	0	0	0	0	3,801	6,034	0	0	0	0	9,835	9,835
H' Poko #2	0	0	0	0	0	0	2,478	4,565	0	0	0	0	7,043	7,043
Kaupakalua	17,574	16,907	14,649	16,196	16,932	17,409	20,022	18,465	17,506	17,218	16,813	17,664	189,781	207,355
Pookela	7,706	99	119	60	1	0	6,638	23,812	4,893	174	7,357	26,800	69,953	77,659
DAILY AVERAGE	1,120	828	855	810	895	896	1,511	2,147	1,171	1,019	813	1,482	1,131	1,130
<i>Lahaina</i>														
Kanaha 575	536	635	715	784	86	65	5,794	5,697	7,867	5,256	2,863	3,773	33,535	34,071
Kanaha 576	3,895	1,754	2,036	1,216	254	1,940	9,385	7,735	8,467	3,062	3,863	3,485	43,965	47,860
Waipuka 559	2,418	2,449	2,418	1,365	330	2,604	9,235	7,840	10,303	9,549	9,192	7,866	63,151	65,567
Waipuka 560	3,631	579	719	761	102	63	6,466	10,195	10,126	8,434	6,495	5,463	49,403	53,034
Napili A 569	128	113	111	142	103	254	1,858	1,482	542	265	1,071	1,071	6,333	6,461
Napili B 570	5,199	11,620	4,724	2,213	7,334	22,482	16,971	15,820	14,367	25,523	24,046	21,917	167,087	172,286
Napili C 571	37,597	25,130	25,575	39,355	35,635	16,521	41,068	43,649	43,711	9,073	5,169	11,339	296,225	333,822
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	4,568	4,179	8,999	2,438	4,254	14,316	21,685	31,230	29,716	28,960	28,904	22,613	197,294	201,862
DAILY AVERAGE	1,580	1,501	1,618	1,557	1,603	1,879	3,749	4,021	4,035	3,004	2,598	2,589	2,566	2,507
<i>Hana</i>														
Hamao 597	2,270	3,717	2,115	2,813	4,527	2,486	1,186	4,419	2,380	6,323	2,184	6,132	38,282	40,552
Hamao #2	5,414	4,041	4,699	4,641	2,591	6,237	229	4,428	5,895	774	4,918	1,758	40,211	45,625
Keanae #1	1,009	499	570	2	409	539	1,222	124	741	519	650	219	5,494	6,503
Keanae #2	139	592	538	1,333	1,029	1,280	626	1,011	1,280	575	438	829	8,795	8,934
Waiuku 550 B	1,017	1,573	1,458	1,655	1,163	2,064	1,131	1,308	1,106	1,921	2,196	926	16,501	17,518
Waiuku C	1,990	1,440	1,602	1,409	2,641	1,674	2,900	2,540	2,347	1,059	1,059	2,451	21,291	23,281
DAILY AVERAGE	382	383	392	382	412	461	243	446	416	378	373	411	391	390
<i>Molokai</i>														
Kawela 551	9,337	8,890	8,018	8,578	7,855	9,371	9,662	1,737	1,560	7,016	9,430	395	72,512	81,849
Kawela 552	0	0	0	137	1,324	9	4	5,255	3,034	3	9	7,490	17,265	17,265
Ualapue 553	3,810	1,873	4,013	3,310	3,232	5,125	2,251	3,619	5,086	2,238	2,124	2,124	33,935	37,745
Ualapue 554	2,774	3,662	1,268	1,775	3,032	1,642	2,843	3,831	5,086	3,793	2,117	4,167	36,216	38,990
Kualapuu	9,238	7,803	7,886	8,715	10,587	12,326	13,622	16,669	17,782	13,534	12,395	12,527	133,846	143,084
Waikale Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	812	717	757	726	868	918	1,046	1,004	945	886	912	890	880	874

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 11/30/21	% Sustainable Yield
Wailuku	Waikapu	3					
	lao	20					
			Mokuhau 1	5330-09	107,444,000	294,367	1.47%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	807,109,000	2,211,258	11.06%
			Waihee 1	5431-02	783,557,000	2,146,732	10.73%
			Waihee 2	5431-03	680,215,000	1,863,603	9.32%
			Waihee 3	5431-04	1,057,874,000	2,898,285	14.49%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	494,516,000	1,354,838	6.77%
			Kepaniwai	5332-05	238,090,000	652,301	3.26%
			lao Tank Site We	5230-02	373,245,000	1,022,589	5.11%
			Waikapu Well	5131-01	403,871,000	1,106,496	5.53%
			Wailuku 1	5230-04	425,466,000	1,165,660	5.83%
			Wailuku 2	5230-05	156,648,000	429,173	2.15%
			lao Subtotal			15,145,301	75.73%
	Waihee	8					
			North Waihee # 1	5631-02	386,423,000	1,058,693	13.23%
			North Waihee # 2	5631-03	65,907,000	180,567	2.26%
			Kanoa 1	5731-02	484,435,000	1,327,219	16.59%
			Kanoa 2	5731-04	144,444,000	395,737	4.95%
			Kupaa	5731-03	584,583,000	1,601,597	20.02%
			Waihee Subtotal			4,563,814	57.05%
Central	Kahakuloa	5					
	Kahului	1					
			Maui Lani #5	5229-04	14,282,000	39,129	3.91%
			Maui Lani #6	5229-05	143,579,000	393,367	39.34%
			Maui Lani #7	5229-06	176,105,000	482,479	48.25%
			Kahului Subtotal			914,975	91.50%
	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%
Koolau	Makawao	7					
			Pookela	5118-02	77,659,000	212,764	3.04%
			Makawao Subtotal			212,764	3.04%
	Haiku	24					
			Kaupakalua	5317-01	207,355,000	568,096	2.37%
			Haiku	5419-01	110,601,000	303,016	1.26%
			Haiku Subtotal			871,112	3.63%
	Honopou	16					
	Waikamoi	37					
	Keanae	75					
			Keanae 1	5108-01	6,503,000	17,816	0.02%
			Keanae 2	5108-02	8,934,000	24,477	0.03%
			Keanae Subtotal			42,293	0.06%
Hana	Kuhiwa	14					
	Kawaipapa	31					
			Hamoa 1	4300-02	40,552,000	111,101	0.36%
			Hamoa 2	4300-03	45,625,000	125,000	0.40%

			Wakiu B	4600-03	17,518,000	47,995	0.15%
			Wakiu C	4600-04	23,281,000	63,784	0.21%
	Kawaipapa Subtotal					347,879	1.12%
	Waihoi	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	6,461,000	17,701	0.22%
			Napili B	5838-02	172,286,000	472,016	5.90%
			Napili C	5838-04	333,822,000	914,581	11.43%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	201,862,000	553,047	6.91%
	Honolua Subtotal					1,957,345	24.47%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	34,071,000	93,345	1.33%
			Kanaha 2	5339-04	47,860,000	131,123	1.87%
			Waipuka 1	5339-01	65,567,000	179,636	2.57%
			Waipuka 2	5339-02	53,034,000	145,299	2.08%
	Launiupoko Subtotal					549,403	7.85%
	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 11/30/21	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	143,084,000	392,011	7.84%	7.84%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						392,011	7.84%	7.84%
Southeast	Kamiloloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	99,114,000	271,545	5.43%	5.43%
	Kawela Subtotal						271,545	5.43%	5.43%
	Ualapue	8	8						
				Ualapue	0449-01	80,415,000	220,315	2.75%	2.75%
	Ualapue Subtotal						220,315	2.75%	2.75%
	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						

