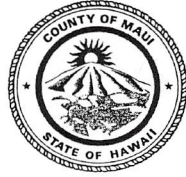


MICHAEL P. VICTORINO
Mayor

2019 FEB -6 AM 10: 24

OFFICE OF THE
COUNTY CLERK



JEFFREY T. PEARSON, P.E.
Acting Director

2019 FEB -5 AM 9: 33

OFFICE OF THE MAYOR

DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI
200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793-2155
www.mauewater.org
February 4, 2019

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

APPROVED FOR TRANSMITTAL

Scary 2/5/19
Acting Mayor Date

For transmittal to:

Honorable Kelly T. King, Chair
and Members of the Maui County Council
200 South High Street
Wailuku, Hawaii 96793

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 January 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

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

Attachments

COUNTY COMMUNICATION NO. 19-78

"By Water All Things Find Life"

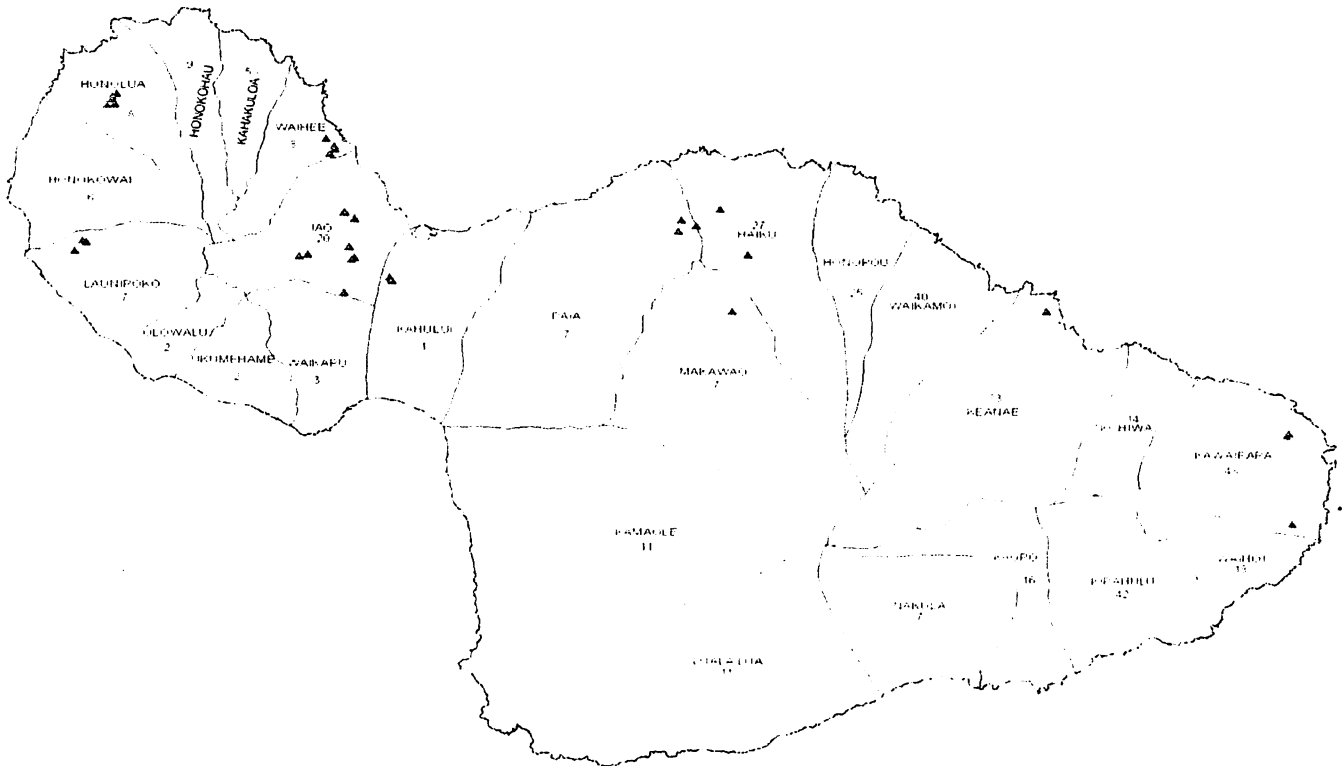
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Current Year	Last 12 Months
Central														
Mokuau 501	45,251	60,782	36,900	26,906	10,529	5,954	5,095	6,954	13,895	2,129	53	1,848	269,525	216,296
Mokuau 503	63,676	62,807	42,302	42,601	73,744	88,528	80,186	73,744	79,107	72,752	71,350	72,937	905,143	823,735
Waihee 577	74,578	34,552	31,654	44,064	48,583	57,112	48,300	61,600	59,391	71,434	56,720	48,468	750,580	636,455
Waihee 578	64,838	40,028	27,232	45,752	49,294	52,874	47,002	43,205	51,837	59,549	49,091	42,530	633,358	573,232
Waihee 579	12,391	116,028	102,719	119,869	115,425	121,545	114,312	101,291	107,822	86,195	105,339	121,523	1,271,549	1,224,459
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	27,718	31,801	30,365	32,719	37,771	38,079	35,714	33,880	33,798	30,896	31,501	33,365	431,475	397,607
Wailuku Shaft 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lao	706	12,097	40,153	14,500	32,396	35,563	34,954	11,840	7,151	21,686	48,968	39,308	303,793	299,322
Waikapu	25,352	28,827	25,575	29,514	36,609	38,331	34,826	32,130	36,210	34,088	33,777	34,938	422,147	390,176
Wailuku 1	5,557	4,073	276	64,020	65,556	66,459	49,574	49,245	48,326	12,662	12,061	6,217	387,153	384,025
Wailuku 2	64,741	64,789	64,832	64,879	64,924	64,970	65,017	65,062	65,108	65,153	65,200	65,246	844,618	779,919
DAILY AVERAGE	13,743	14,703	13,400	15,639	17,828	18,368	16,612	15,965	16,214	15,218	15,292	15,045	200,624	15,686
Kepaniwai 511	20,095	22,320	21,595	22,320	21,454	22,141	22,038	21,492	22,320	21,600	22,238	22,320	284,084	261,933
lao Tunnel	41,535	47,987	46,648	47,809	47,434	48,584	49,125	47,362	48,854	47,702	49,273	49,230	617,325	571,544
DAILY AVERAGE	2,201	2,268	2,275	2,262	2,296	2,281	2,296	2,295	2,296	2,310	2,307	2,308	29,078	2,583
N. Waihee #1	19,614	21,198	22,278	23,474	21,498	22,474	30,025	25,739	22,767	23,275	21,441	21,788	297,210	275,570
N. Waihee #2	20,511	26,093	26,254	27,217	26,484	27,448	22,250	21,359	26,328	26,981	23,103	25,760	326,003	299,786
Kanoa #1	13,695	13,683	18,454	20,061	17,853	18,759	30,596	24,949	17,911	17,401	14,356	231,048	215,288	215,288
Kanoa #2	24,836	17,765	19,506	19,081	19,374	19,809	15,652	19,981	18,693	18,526	29,514	19,443	262,717	242,180
Kupaa	19,358	39,391	32,995	32,995	40,073	43,963	37,801	38,163	37,420	32,085	48,741	39,263	465,813	442,228
DAILY AVERAGE	3,500	3,811	3,983	3,962	4,176	4,273	4,398	4,340	3,972	3,942	4,205	3,891	51,058	4,041
Maui Lani #5	5,336	5,955	5,774	5,642	5,724	5,891	5,943	6,115	5,920	5,734	5,984	5,969	75,664	69,968
Maui Lani #6	10,237	11,376	10,956	11,364	11,001	11,348	11,346	11,209	11,326	11,009	11,376	11,368	145,254	133,917
Maui Lani #7	15,131	16,772	16,241	16,399	16,201	16,756	16,671	16,411	16,698	16,197	16,753	16,828	213,747	197,055
DAILY AVERAGE	1,097	1,100	1,099	1,078	1,098	1,097	1,095	1,125	1,095	1,098	1,100	1,102	14,021	1,098
UpCountry														
Haiku	5,927	8,794	8,810	8,990	1,558	1,192	3,336	8,801	8,131	7,743	7,728	8,412	86,414	79,422
H' Poko #1	0	0	0	0	0	0	0	0	0	0	0	0	1,832	0
H' Poko #2	0	0	0	0	0	0	0	0	0	0	0	0	2,109	0
Kaupakalua	13,552	15,805	14,237	14,424	15,293	16,742	15,709	14,631	15,359	16,366	22,750	15,909	205,670	190,778
Pookela	335	89	172	42	167	28	81	122	133	23	121	265	1,662	1,577
DAILY AVERAGE	708	796	774	757	567	579	617	785	762	804	987	793	9,603	745
Lahaina														
Kanaha 575	340	323	1,037	1,130	3,818	7,161	3,610	2,325	1,992	1,598	757	4,116	28,467	28,207
Kanaha 576	233	119	757	142	2,071	3,326	232	1,263	1,253	16	75	266	8,825	8,752
Waipuka 559	22	47	2	0	3,799	7,714	2,693	1,147	730	58	1,183	1,514	18,910	18,910
Waipuka 560	428	577	1,184	1,241	3,288	1,684	2,431	2,338	2,378	2,011	166	3,280	21,405	21,005
Napili A 569	12,086	13,615	27,330	23,263	23,489	22,309	15,823	6,152	3,305	1,159	420	1,127	156,566	150,078
Napili B 570	20,999	25,796	3,958	0	0	0	0	0	0	0	0	0	73,867	50,753
Napili C 571	0	0	0	0	0	54	9,739	27,483	40,136	37,515	40,443	40,053	195,423	195,423
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	0	0	0	18,809	29,808	30,618	20,400	7,869	9,102	3,636	6,062	6,763	161,866	133,066
DAILY AVERAGE	1,218	1,306	1,142	1,438	2,209	2,318	1,772	1,619	1,900	1,533	1,584	1,843	21,462	1,661
Hana														
Hamo 597	863	2,825	3,278	3,487	3,424	970	2,555	4,361	1,543	5,033	418	4,484	33,506	33,240
Hamo #2	3,493	1,969	1,292	1,028	1,510	4,475	3,219	1,324	4,058	2	5,678	1,222	33,298	29,268
Keanae #1	1,056	740	21	753	617	365	872	601	234	695	880	787	7,720	7,620
Keanae #2	1	462	930	217	520	474	5	150	589	1	0	1	4,454	3,350
Wakiu 550 B	1,413	818	49	2,493	2,130	1,682	2,225	1,282	3,546	2,293	2,029	1,932	22,107	21,892
Wakiu C	1,837	3,140	5,101	1,488	2,955	2,057	1,659	2,518	607	1	2	318	25,348	21,684
DAILY AVERAGE	309	321	356	305	372	323	340	341	341	267	291	282	4,079	321
Molokai														
Kawela 551	0	2	0	0	1	0	1	1	7	8	6	9	37	34
Kawela 552	3,405	4,031	3,279	4,607	5,258	5,081	3,871	3,932	4,437	4,724	4,424	4,301	55,288	51,349
Ualapue 553	3,296	2,645	4,158	3,541	3,812	2,774	2,066	3,381	2,383	681	1,642	4,137	35,903	34,515
Ualapue 554	1,429	3,080	1,192	2,926	3,049	4,320	5,028	1,529	2,543	4,480	3,899	1,196	38,655	34,670
Kualapuu	11,882	15,603	14,796	16,366	18,473	19,394	18,639	16,041	16,191	16,592	14,639	15,558	209,967	194,174
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	715	818	781	885	1,020	1,018	955	829	825	883	794	813	10,963	862

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 1/31/19	% Sustainable Yield
Wailuku	Waikapu	3					
	Iao	20					
			Mokuhau 1	5330-09	216,296,000	592,592	2.96%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	823,735,000	2,256,808	11.28%
			Waihee 1	5431-02	636,455,000	1,743,712	8.72%
			Waihee 2	5431-03	573,232,000	1,570,499	7.85%
			Waihee 3	5431-04	1,224,459,000	3,354,682	16.77%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	397,607,000	1,089,334	5.45%
			Wailuku Shaft 33	5330-05	0	0	0.00%
			Kepaniwai	5332-05	261,933,000	717,625	3.59%
			Iao Tank Site Well	5230-02	299,322,000	820,060	4.10%
			Waikapu Well	5131-01	390,176,000	1,068,975	5.34%
			Wailuku 1	5230-04	384,025,000	1,052,123	5.26%
			Wailuku 2	5230-05	779,919,000	2,136,764	10.68%
			Iao Subtotal			16,403,175	82.02%
	Waihee	8					
			North Waihee # 1	5631-02	275,570,000	754,986	9.44%
			North Waihee # 2	5631-03	299,786,000	821,332	10.27%
			Kanoa 1	5731-02	215,288,000	589,830	7.37%
			Kanoa 2	5731-04	242,180,000	663,507	8.29%
			Kupaa	5731-03	442,228,000	1,211,584	15.14%
			Waihee Subtotal			4,041,238	50.52%
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	69,968,000	191,693	19.17%
			Maui Lani #6	5229-05	133,917,000	366,896	36.69%
			Maui Lani #7	5229-06	197,055,000	539,877	53.99%
			Kahului Subtotal			1,098,466	109.85%
	Kamaole	11					
	Paia	7					
			Hamakuapoko 1	5420-02	0	0	0.00%
			Hamakuapoko 2	5320-01	0	0	0.00%
			Paia Subtotal			0	0.00%
	Makawao	7					
			Pookela	5118-02	1,577,000	4,321	0.06%
			Makawao Subtotal			4,321	0.06%
Koolau	Haiku	27					
			Kaupakalua	5317-01	190,778,000	522,679	1.94%
			Haiku	5419-01	79,422,000	217,595	0.81%
			Haiku Subtotal		0	740,274	2.74%
	Honopou	25					
	Waikamoi	40					
	Keanae	83					
			Keanae 1	5108-01	7,620,000	20,877	0.03%
			Keanae 2	5108-02	3,350,000	9,178	0.01%
			Keanae Subtotal			30,055	0.04%
Hana	Kuhiwa	14					
	Kawaiipapa	48					
			Hamoa 1	4300-02	33,240,000	91,068	0.19%
			Hamoa 2	4300-03	29,268,000	80,186	0.17%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 1/31/19	% Sustainable Yield
			Wakiu B	4600-03	21,892,000	59,978	0.12%
			Wakiu C	4600-04	21,684,000	59,408	0.12%
	Kawaipapa Subtotal					290,641	0.61%
	Waihoi	18					
	Kipahulu	42					
Kahikinui	Kaupo	16					
	Nakula	7					
	Lualailua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	150,078,000	411,173	5.14%
			Napili B	5838-02	50,753,000	139,049	1.74%
			Napili C	5838-04	195,423,000	535,405	6.69%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	133,066,000	364,564	4.56%
	Honolua Subtotal					1,450,192	18.13%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	28,207,000	77,279	1.10%
			Kanaha 2	5339-04	8,752,000	23,978	0.34%
			Waipuka 1	5339-01	18,910,000	51,808	0.74%
			Waipuka 2	5339-02	21,005,000	57,548	0.82%
	Launiupoko Subtotal					210,614	3.01%
	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 1/31/19	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	194,174,000	531,984	10.64%	10.64%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						531,984	10.64%	10.64%
Southeast	Kamiloloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	51,383,000	140,775	2.82%	2.82%
	Kawela Subtotal						140,775	2.82%	2.82%
	Ualapue	8	8						
				Ualapue	0449-01	69,185,000	189,548	2.37%	2.37%
	Ualapue Subtotal						189,548	2.37%	2.37%
	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						

