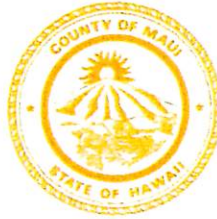


MICHAEL P. VICTORINO
Mayor

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

October 6, 2020

RECEIVED

2020 OCT -6 PM 2: 51

OFFICE OF THE MAYOR

RECEIVED
OFFICE OF THE
COUNTY CLERK

2020 OCT -8 AM 8: 50

RECEIVED

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

APPROVED FOR TRANSMITTAL



Mayor Date 10/7/20

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 September 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

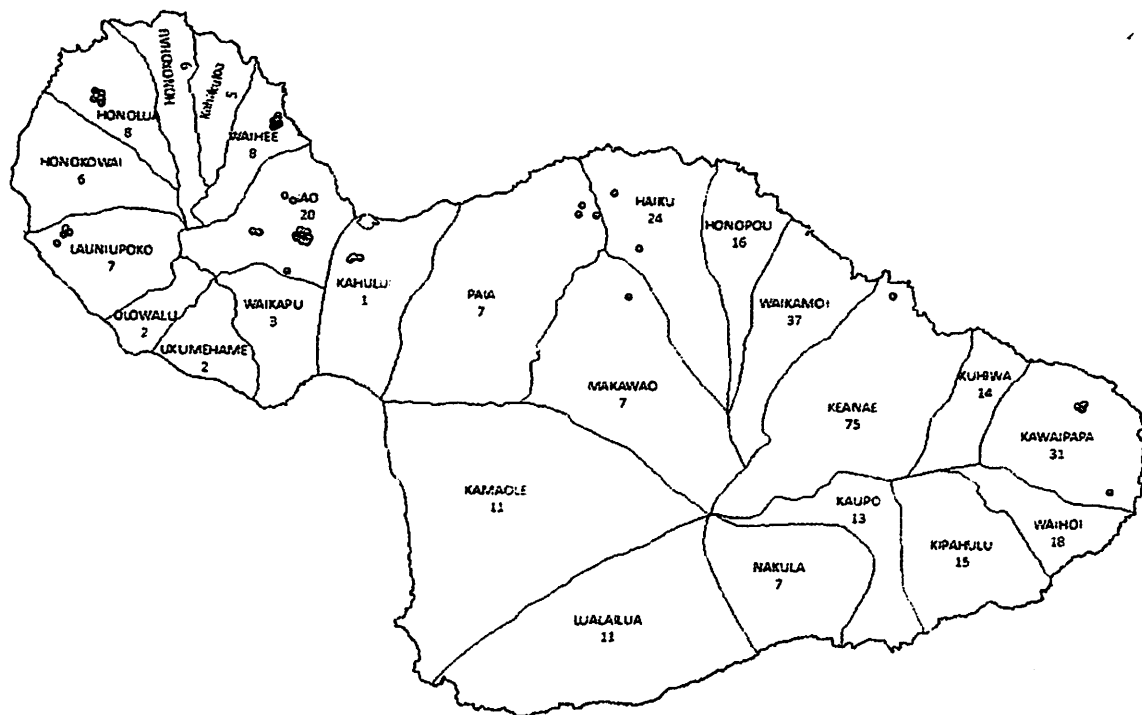
County of Maui
Dept. of Water Supply
Monthly Source Reports
(Gals X 1000)

WELL NAME	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Current Year	Last 12 Months
Central														
Mokuahu 501	15,195	4,790	9,335	3,000	1,900	2,323	3,492	20,518	5,709	13,181	22,738	17,943	90,804	120,124
Mokuahu 503	62,437	53,546	57,053	53,970	53,798	61,459	45,906	84,433	78,821	82,081	98,217	117,499	676,184	849,220
Waihee 577	75,771	81,752	95,203	102,360	71,305	85,870	70,969	74,724	48,124	59,752	63,935	64,509	641,548	894,274
Waihee 578	71,785	55,787	0	0	0	0	0	10,303	50,995	64,001	62,089	61,393	248,781	376,353
Waihee 579	122,163	109,398	107,541	88,223	109,853	116,236	101,273	87,797	119,107	110,179	126,651	122,877	982,196	1,321,298
Waiehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waiehu Hts 515	41,071	37,060	33,858	31,123	29,880	32,266	33,273	36,678	38,934	41,138	43,731	42,449	329,472	441,461
Iao	15,908	18,386	21,809	39,469	19,698	23,327	19,844	12,754	8,289	5,452	6,544	1,919	137,296	193,399
Waikapu	68	23,060	28,503	24,546	25,496	28,494	29,574	34,626	33,863	34,379	35,612	34,200	280,790	332,421
Wailuku 1	66,036	50,102	14,930	0	0	0	0	477	52,723	64,235	63,076	62,109	242,620	373,688
Wailuku 2	65,656	65,701	65,747	65,794	61,028	61,994	51,842	0	0	0	0	0	240,658	437,762
DAILY AVERAGE	17,293	16,653	13,999	13,177	12,861	13,289	11,872	11,687	14,552	15,303	16,858	17,497	14,125	14,590
Kepaniwai 511	21,685	21,600	22,316	22,315	20,880	22,320	21,600	22,320	21,600	22,256	22,320	21,539	197,150	262,751
Iao Tunnel	50,327	48,440	49,904	49,310	46,060	49,868	48,415	50,074	48,647	50,542	47,171	47,960	438,047	586,718
DAILY AVERAGE	2,323	2,335	2,330	2,310	2,308	2,329	2,334	2,335	2,342	2,348	2,242	2,317	48,617	2,321
N. Waihee #1	0	0	0	0	0	0	0	18,992	10,337	10,914	11,198	10,473	61,914	61,914
N. Waihee #2	15,406	19,584	35,180	37,482	32,028	31,512	21,291	15,447	6,905	6,922	6,271	5,273	163,131	233,301
Kanoa #1	31,646	30,389	32,066	30,400	27,810	31,549	30,846	30,694	23,576	23,496	23,003	23,220	244,594	338,695
Kanoa #2	27,914	31,250	29,896	27,227	25,723	27,667	27,478	39,238	23,803	18,433	21,021	16,087	226,677	315,737
Kupaa	51,467	48,585	48,524	46,584	48,442	51,784	49,980	46,040	42,411	45,857	43,629	42,157	416,884	565,460
DAILY AVERAGE	4,078	4,327	4,699	4,571	4,621	4,597	4,320	4,852	3,568	3,407	3,391	3,240	85,918	4,140
Maui Lani #5	1,349	663	40	979	27	392	517	52	1,177	56	88	5,198	8,486	10,538
Maui Lani #6	11,295	10,980	11,357	11,298	10,642	11,338	10,877	11,376	11,009	11,467	11,350	1,381	90,738	124,370
Maui Lani #7	16,736	16,213	16,758	15,721	15,679	16,745	16,041	16,752	16,216	16,591	16,766	12,140	142,651	192,358
DAILY AVERAGE	948	929	908	903	909	919	915	909	947	907	910	624	883	894
UpCountry														
Haiku	9,294	8,861	8,479	8,357	7,673	7,750	8,702	9,624	10,194	11,781	11,442	11,127	86,650	113,284
H' Poko #1	0	134	234	0	0	0	0	0	0	213	0	0	213	581
H' Poko #2	0	0	214	0	0	0	0	0	0	370	0	0	370	584
Kaupakalua	16,906	16,986	16,951	17,642	15,329	15,663	17,386	17,856	18,840	20,887	20,358	19,895	163,856	214,699
Pookela	460	18,991	32,102	33	37	297	25	38	20,916	18,462	935	38,209	78,952	130,505
DAILY AVERAGE	860	1,499	1,870	840	794	765	870	888	1,665	1,668	1,056	2,308	1,205	1,256
Lahaina														
Kanaha 575	86	4,191	5,599	1,897	510	15	357	1,133	3,008	4,960	4,480	8,053	24,413	34,289
Kanaha 576	8,224	6,449	4,816	1,524	1,208	27	354	361	361	1,287	1,588	732	7,442	26,931
Waipuka 559	9,002	9,173	8,425	3,255	1,385	14	271	63	244	280	770	1,756	8,038	34,638
Waipuka 560	8,064	9,108	8,935	2,394	4,714	16	478	2,746	5,924	7,705	8,116	10,342	42,435	68,542
Napili A 569	1,510	1,536	542	260	65	458	351	320	494	128	243	1,069	3,388	6,976
Napili B 570	15,438	5,092	2,096	1,475	3,844	8,320	1,651	2,678	4,205	7,838	11,043	15,096	56,150	78,776
Napili C 571	18,269	31,897	41,545	34,863	35,499	41,792	36,360	37,104	36,688	40,964	33,175	37,579	334,024	425,735
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	27,345	18,120	4,798	564	236	511	871	2,171	439	766	7,008	8,984	21,550	71,813
DAILY AVERAGE	2,837	2,852	2,476	1,491	1,637	1,650	1,356	1,502	1,712	2,062	2,143	2,787	1,815	2,043
Hana														
Hamo 597	2	1	1	1	2	123	1	1,229	3,736	2,513	2,190	2,749	12,544	12,548
Hamo #2	5,765	7,214	7,238	7,129	7,216	7,127	6,990	6,691	3,756	5,653	6,156	5,353	56,071	76,288
Keanae #1	12	0	383	910	1,043	1,089	1,354	1,332	620	808	537	693	8,386	8,781
Keanae #2	812	873	452	1	12	26	1	25	392	193	444	382	1,476	3,613
Wakui 550 B	3,458	1,412	1	751	8	104	1,204	2,245	1,455	581	1,588	2,497	10,433	15,304
Wakui C	1,543	1,150	3,020	2,685	3,976	3,124	1,722	632	1,455	3,041	1,490	130	18,255	23,968
DAILY AVERAGE	374	355	358	370	423	374	376	392	380	413	400	393	391	384
Molokai														
Kawela 551	6,619	5,091	7,690	8,441	6,528	4,338	1,108	10,117	10,005	10,130	9,076	8,833	68,576	87,976
Kawela 552	5	4	5	5	1,282	1,422	2,771	2	2	5	4	6	5,499	5,513
Ualapue 553	4,651	4,689	5,630	3,874	4,605	4,417	5,115	6,599	7,395	7,622	7,549	1,915	49,091	64,061
Ualapue 554	2,082	1,830	8	447	17	19	107	81	87	25	45	6,342	7,170	11,090
Kualapuu	9,156	10,299	9,402	8,337	7,784	10,865	11,752	11,289	12,154	11,622	11,750	11,378	96,931	125,788
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	726	730	733	681	697	679	695	906	988	949	917	949	829	804

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 9/30/20	% Sustainable Yield
Wailuku	Waikapu	3					
	Iao	20					
			Mokuhau 1	5330-09	120,124,000	328,208	1.64%
			Mokuhau 2	5330-10	0	0	0.00%
			Mokuhau 3	5330-11	849,220,000	2,320,273	11.60%
			Waihee 1	5431-02	894,274,000	2,443,372	12.22%
			Waihee 2	5431-03	376,353,000	1,028,287	5.14%
			Waihee 3	5431-04	1,321,298,000	3,610,104	18.05%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	441,461,000	1,206,178	6.03%
0			Kepaniwai	5332-05	262,751,000	717,899	3.59%
			Iao Tank Site Well	5230-02	193,399,000	528,413	2.64%
			Waikapu Well	5131-01	332,421,000	908,254	4.54%
			Wailuku 1	5230-04	373,688,000	1,021,005	5.11%
			Wailuku 2	5230-05	437,762,000	1,196,071	5.98%
	Iao Subtotal					15,308,063	76.54%
	Waihee	8					
			North Waihee # 1	5631-02	61,914,000	169,164	2.11%
			North Waihee # 2	5631-03	233,301,000	637,434	7.97%
			Kanoa 1	5731-02	338,695,000	925,396	11.57%
			Kanoa 2	5731-04	315,737,000	862,669	10.78%
			Kupaa	5731-03	565,460,000	1,544,973	19.31%
	Waihee Subtotal					4,139,637	51.75%
	Kahakuloa	5					
Central	Kahului	1					
			Maui Lani #5	5229-04	10,538,000	28,792	2.88%
			Maui Lani #6	5229-05	124,370,000	339,809	33.98%
			Maui Lani #7	5229-06	192,358,000	525,568	52.56%
	Kahului Subtotal					894,169	89.42%
	Kamaole	11					
	Pala	7					
			Hamakuapoko 1	5420-02	581,000	1,587	0.02%
			Hamakuapoko 2	5320-01	584,000	1,596	0.02%
	Pala Subtotal					3,183	0.05%
	Makawao	7					
			Pookela	5118-02	130,505,000	356,571	5.09%
	Makawao Subtotal					356,571	5.09%
Koolau	Haiku	24					
			Kaupakalua	5317-01	214,699,000	586,609	2.44%
			Haiku	5419-01	113,284,000	309,519	1.29%
	Haiku Subtotal					896,128	3.73%
	Honopou	16					
	Waikamoi	37					
	Keanae	75					
			Keanae 1	5108-01	8,781,000	23,992	0.03%
			Keanae 2	5108-02	3,613,000	9,872	0.01%
	Keanae Subtotal					33,863	0.06%
Hana	Kuhiwa	14					
	Kawaiipapa	31					
			Hamoa 1	4300-02	12,548,000	34,284	0.11%
			Hamoa 2	4300-03	76,288,000	208,437	0.67%

Aquifer Sector	Aquifer System	Sustainable Yield (MGD)	Well Name	Well No.	Total Pumpage Last 12 Months	Pumpage MAV as of 9/30/20	% Sustainable Yield
			Waiuku B	4600-03	15,304,000	41,814	0.13%
			Waiuku C	4600-04	23,968,000	65,486	0.21%
	Kaiaipapa Subtotal				6	350,022	1.13%
	Waihoi	18					
	Kipahulu	15					
Kahikinui	Kaupo	13					
	Nakula	7					
	Lualalua	11					
Lahaina	Honokohau	9					
	Honolua	8					
			Napili A	5838-01	6,976,000	19,060	0.24%
			Napili B	5838-02	78,776,000	215,235	2.69%
			Napili C	5838-04	425,735,000	1,163,210	14.54%
			Honokahua A	5838-03	0	0	0.00%
			Honokahua B	5938-01	71,813,000	196,210	2.45%
	Honolua Subtotal					1,593,716	19.92%
	Honokowai	6					
	Launiupoko	7					
			Kanaha 1	5339-03	34,289,000	93,686	1.34%
			Kanaha 2	5339-04	26,931,000	73,582	1.05%
			Waipuka 1	5339-01	34,638,000	94,639	1.35%
			Waipuka 2	5339-02	68,542,000	187,273	2.68%
	Launiupoko Subtotal					449,180	6.42%
	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 9/30/20	Sustainable Yield - % DWS	% DY MWGR
West	Kaluakoi	2	2						
	Punakou	2	2						
Central	Hooiehua	2	2						
	Manawainui	2	2						
	Kualapuu	5	5						
				Kualapuu	0801-03	125,788,000	343,883	6.87%	6.87%
				Waikaliae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						343,883	6.87%	6.87%
Southeast	Kamiloloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	93,489,000	255,434	5.11%	5.11%
	Kawela Subtotal						255,434	5.11%	5.11%
	Ualapue	8	8						
				Ualapue	0449-01	75,151,000	205,331	2.57%	2.57%
	Ualapue Subtotal						205,331	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						
		8	0						

