

ALAN M. ARAKAWA
Mayor



DEPARTMENT OF WATER SUPPLY

COUNTY OF MAUI

200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793-2155
www.mauiwater.org

DAVID TAYLOR, P.E.
Director

PAUL J. MEYER
Deputy Director

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OFFICE OF THE MAYOR

December 3, 2015

Honorable Alan Arakawa
Mayor, County of Maui
200 South High Street
Wailuku, Hawaii 96793

For Transmittal to:

Honorable Mike White, Chair
and Members of the Maui County Council
200 South High Street
Wailuku, Hawaii 96793

Dear Chair White and Members:

APPROVED FOR TRANSMITTAL

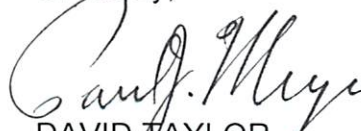

Mayor 12/2/15
Date

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 2015.

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. 7816.

Sincerely,


DAVID TAYLOR
Director of Water Supply

Attachments

"By Water All Things Find Life"



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

WELL NAME	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Current Year	Last 12 Months
Central														
Mokuahu 501	6,136	1,477	1,098	0	0	0	0	3	0	533	2,318	851	6,280	12,416
Mokuahu 503	64,749	67,130	57,003	56,864	69,664	79,135	79,617	91,173	98,402	62,152	40,849	46,154	748,143	812,892
Waihee 577	40,094	35,344	20,761	29,030	31,248	29,885	29,111	37,856	40,578	22,915	29,322	28,190	334,239	374,333
Waihee 578	29,611	28,629	16,451	22,311	22,448	29,022	32,638	31,783	31,829	27,427	23,690	23,779	290,006	319,617
Waihee 579	78,824	75,735	53,945	72,029	87,971	92,755	92,176	105,935	98,936	90,043	89,762	78,029	937,317	1,016,142
Walehu Hts 514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walehu Hts 515	27,788	27,901	24,091	26,439	29,088	29,354	30,726	32,835	32,266	30,440	29,901	29,411	322,452	350,240
Wailuku Shaft 33	149,030	148,090	134,325	151,216	146,328	151,432	147,052	152,188	136,702	146,779	152,537	146,187	1,612,835	1,761,865
Iao	1,730	3,476	1,409	6,410	13,395	15,062	2,790	19,191	3,432	12,223	37,960	13,644	128,993	130,723
Waikapu	29,993	31,316	29,472	30,301	20,066	0	0	0	295	29,823	30,564	32,682	204,519	234,513
Wailuku 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wailuku 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	13,805	13,519	12,091	12,729	14,007	13,763	13,804	15,192	14,272	14,078	14,094	13,298	18,867	13,734
Kepanui														
Kepanui 511	22,484	22,037	20,224	22,543	21,815	22,537	21,816	22,535	22,543	21,599	22,313	21,553	241,514	263,999
Iao Tunnel	47,948	47,238	42,831	47,830	46,339	45,501	43,845	45,673	46,520	45,255	46,668	43,570	501,270	549,217
DAILY AVERAGE	2,272	2,235	2,252	2,270	2,272	2,195	2,189	2,200	2,228	2,228	2,225	2,171	3,057	2,228
Kanoa														
N. Waihee #1	22,294	28,765	26,381	28,876	27,968	28,824	27,857	27,054	28,202	27,801	28,628	27,266	307,621	329,915
N. Waihee #2	27,623	10,360	19,216	21,740	20,851	21,724	21,002	20,923	21,727	20,615	21,425	21,131	220,713	248,336
Kanoa #1	28,992	29,454	25,082	29,325	28,565	29,598	28,383	27,690	29,444	28,870	30,069	26,746	313,226	342,218
Kanoa #2	26,897	27,667	25,122	26,888	25,975	26,925	26,547	28,440	26,584	27,056	27,960	25,700	294,864	321,760
Kupaa	0	0	0	990	41,283	41,313	41,343	46,439	46,473	46,506	46,540	46,573	357,461	357,461
DAILY AVERAGE	3,413	3,105	3,421	3,478	4,821	4,787	4,838	4,856	4,917	5,028	4,988	4,914	6,148	4,383
Maui Lani														
Maui Lani #5	5,303	566	0	481	4,968	5,753	5,582	4,907	5,259	5,553	5,836	5,448	44,353	49,656
Maui Lani #6	9,369	10,799	8,389	11,154	11,441	11,743	11,317	11,488	11,434	11,060	11,577	10,928	121,329	130,699
Maui Lani #7	15,686	15,514	12,241	16,718	15,673	16,883	16,282	15,912	16,451	16,114	16,719	15,447	173,953	189,639
DAILY AVERAGE	979	867	737	915	1,069	1,109	1,106	1,042	1,069	1,091	1,101	1,061	1,398	1,014
UpCountry														
Haiku	7,794	8,515	7,222	7,822	8,257	8,201	8,479	9,447	9,436	8,319	7,952	8,142	91,792	99,586
H' Poko #1	26	120	88	12	96	0	65	7	0	0	0	0	388	414
H' Poko #2	87	161	76	9	156	10	112	17	0	0	0	0	540	627
Kaupakalua	17,774	18,679	16,999	17,927	17,461	17,605	18,526	21,136	19,594	18,745	18,298	16,719	201,688	219,462
Pookela	169	1,198	6,898	4,186	203	273	578	142	330	77	96	63	14,045	14,214
DAILY AVERAGE	834	925	1,117	966	872	842	925	992	947	905	850	831	1,269	916
Lahaina														
Kanaha 575	3,815	8,418	912	2,177	3,065	2,459	2,243	2,297	3,478	4,984	6,180	3,074	39,288	43,103
Kanaha 576	3,638	8,142	850	1,880	2,845	1,805	1,007	988	2,679	3,016	3,542	2,193	28,946	32,585
Waipuka 559	588	3,133	74	43	352	900	3,135	3,571	4,853	6,349	7,794	4,789	34,991	35,579
Waipuka 560	1,767	6,114	456	537	1,275	1,785	5,453	6,137	6,669	6,127	8,163	4,469	47,185	48,952
Napili A 569	4,649	6,568	6,184	6,417	3,662	4,365	9,359	4,023	1,807	6,811	8,161	6,065	63,424	68,072
Napili B 570	20,999	22,962	21,013	8,604	19,457	24,107	25,972	23,271	12,464	19,290	20,085	17,314	214,539	235,538
Napili C 571	12,036	4,042	27,660	33,003	23,342	7,148	61	26,165	24,519	8,032	7,091	21,642	182,703	194,739
Honokahua A 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Honokahua B 573	22,913	16,590	1,772	13,227	16,173	20,594	28,325	9,329	19,450	22,984	17,848	12	166,303	189,216
DAILY AVERAGE	2,271	2,451	2,104	2,125	2,339	2,038	2,519	2,445	2,449	2,588	2,544	1,985	3,199	2,323
Hana														
Hamo 597	8,030	8,560	7,484	7,981	6,312	1,120	183	1	639	353	808	119	33,561	41,592
Hamo #2	0	0	0	0	1,635	6,476	7,390	8,196	7,655	7,978	7,551	7,551	54,431	54,431
Keanae #1	1	8	0	0	0	13	0	1,421	2,527	2,715	1,523	1	8,210	8,210
Keanae #2	2,333	2,384	2,229	2,672	2,587	2,742	2,905	1,406	1	1	1,408	2,877	21,213	23,546
Waklu 550 B	6,325	6,423	5,323	5,596	5,538	5,592	5,715	6,013	6,097	6,018	6,320	6,360	64,994	71,320
Waklu C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	538	560	537	524	536	514	540	550	546	569	568	564	751	545
Molokai														
Kawela 551	8	7	5	1	3	2	603	6	3	350	1,294	3	2,275	2,283
Kawela 552	3,627	3,569	3,293	3,771	3,915	3,813	3,063	4,256	4,268	2,949	2,180	3,402	38,458	42,084
Ualapue 553	3,638	5,158	4,810	3,894	3,908	5,736	13	5,568	2,457	2,595	5,429	5,064	44,633	48,272
Ualapue 554	1,421	0	3	1,453	2,856	278	6,537	1,723	3,580	2,688	804	1	19,924	21,345
Kualapuu	15,675	14,396	13,235	15,094	17,589	19,270	19,401	20,361	19,666	15,492	15,492	11,376	181,372	197,047
Waikalae Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY AVERAGE	788	746	762	781	942	939	987	1,029	987	802	812	662	1,180	852

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 11/30/15	% Sustainable Yield
Wailuku	Waikapu	3					
	Iao	20					
			Mokuhaui 1	5330-09	12,416,000	34,016	0.17%
			Mokuhaui 2	5330-10	0	0	0.00%
			Mokuhaui 3	5330-11	812,892,000	2,227,101	11.14%
			Waihee 1	5431-02	374,333,000	1,025,570	5.13%
			Waihee 2	5431-03	319,617,000	875,663	4.38%
			Waihee 3	5431-04	1,016,142,000	2,783,951	13.92%
			Waiehu Heights 1	5430-01	0	0	0.00%
			Waiehu Heights 2	5430-02	350,240,000	959,562	4.80%
			Wailuku Shaft 33	5330-05	1,761,865,000	4,827,027	24.14%
			Kepaniwai	5332-05	263,999,000	723,285	3.62%
			Iao Tank Site Well	5230-02	130,723,000	358,145	1.79%
			Waikapu Well	5131-01	234,513,000	642,501	3.21%
			Wailuku 1	5230-04	0	0	0.00%
			Wailuku 2	5230-05	0	0	0.00%
	Iao Subtotal					14,456,822	72.28%
	Waihee	8					
			North Waihee # 1	5631-02	329,915,000	903,877	11.30%
			North Waihee # 2	5631-03	248,336,000	680,373	8.50%
			Kanoa 1	5731-02	342,218,000	937,584	11.72%
			Kanoa 2	5731-04	321,760,000	881,534	11.02%
			Kupaa	5731-03	357,461,000	979,345	12.24%
	Waihee Subtotal					4,382,712	54.78%
	Kahakuloa	5					
	Honokohau	9					
Central	Kahului	1					
			Maui Lani #5	5229-04	49,656,000	136,044	13.60%
			Maui Lani #6	5229-05	130,699,000	358,079	35.81%
			Maui Lani #7	5229-06	189,639,000	519,559	51.96%
	Kahului Subtotal					1,013,682	101.37%
	Kamaole	11					
	Pala	7					
			Hamakuapoko 1	5420-02	414,000	1,134	0.02%
			Hamakuapoko 2	5320-01	627,000	1,718	0.02%
	Pala Subtotal					2,852	0.04%
	Makawao	7					
			Pookela	5118-02	14,214,000	38,942	0.56%
	Makawao Subtotal					38,942	0.56%
Koolau	Haiku	27					
			Kaupakalua	5317-01	219,462,000	601,266	2.23%
			Haiku	5419-01	99,586,000	272,838	1.01%
	Haiku Subtotal					874,104	3.24%
	Honopou	25					
	Walakamoi	40					
	Kearae	83					
			Kearae 1	5108-01	8,210,000	22,493	0.03%
			Kearae2	5108-02	23,546,000	64,510	0.08%
	Kearae Subtotal					87,003	0.10%

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 11/30/15	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	197,047,000	539,855	10.80%	10.80%
				Waikalae Tunnel	1059-01	0	0	0.00%	0.00%
	Kualapuu Subtotal						539,865	10.80%	10.80%
Southeast	Kamiloloa	3	3						
	Kawela	5	5						
				Kawela	0457-01	44,367,000	121,553	2.43%	2.43%
	Kawela Subtotal						121,663	2.43%	2.43%
	Ualapue	8	8						
				Ualapue	0449-01	69,617,000	190,732	2.38%	2.38%
	Ualapue Subtotal						190,732	2.38%	2.38%
	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						

