

3/7/2013

DEPARTMENT OF WATER SUPPLY  
COUNTY OF MAUI  
UPCOUNTRY WATER REPORT

DATE	AVAILABLE SUPPLY											DEMAND												
	WAILOA DITCH		WAIKAMOI				KAHAKAPAO				PIIHOLO RESERVOIR			TREATMENT FACILITY (million gallons)						PUMPING			TOTAL	
			#1		#2		#1		#2					Phase 10		Phase 6								
	MGD	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	KAMOLE TO LOWER LINE	KAMOLE TO PIIHOLO RESV.	LOWER LINE TO UPPER LINE					
3/1/2013	148.7	74.5	9.5	63.0	9.8	65.0	46.1	92.2	45.9	91.8	48.7	97.4	159.9	0.6	0.0	0.6	0.3	0.0	3.9	1.6	0.0	0.0	0.0	7.0
3/2/2013	142.6	71.4	7.4	49.3	7.8	52.0	48.5	97.0	46.5	93.0	49.8	99.6	160.0	1.4	0.0	0.6	0.3	0.0	3.1	1.7	0.0	0.0	0.0	7.1
3/3/2013	127.1	63.6	5.8	38.7	5.6	37.3	47.0	94.0	46.5	93.0	48.7	97.4	153.6	0.8	0.0	0.6	0.3	0.0	3.7	1.8	0.0	0.0	0.0	7.2
3/4/2013	102.6	51.4	4.9	32.7	4.1	27.3	47.2	94.4	47.0	94.0	48.4	96.8	151.6	0.5	0.0	0.8	0.3	0.0	2.8	1.7	0.0	0.0	0.0	6.1
3/5/2013	90.2	45.2	4.0	26.7	3.1	20.7	47.4	94.8	47.0	94.0	47.7	95.4	149.2	0.0	0.0	0.7	0.3	1.3	3.5	1.9	0.0	0.0	0.0	7.7
3/6/2013	91.8	46.0	2.4	16.0	1.8	12.0	47.4	94.8	47.2	94.4	47.4	94.8	146.2	0.0	0.0	0.7	0.3	1.3	3.2	2.0	0.0	0.0	0.0	7.5
3/7/2013	88.2	44.2	2.0	13.3	0.9	6.0	47.4	94.8	47.2	94.4	49.8	99.6	147.3	0.0	0.0	0.7	0.3	1.3	2.8	1.9	0.0	0.0	0.0	7.0

The Upcountry area includes Haiku, Makawao, Olinda, Haliimaile, Pukalani, Omaopio/Pulehu, Kula, Keokea, Ulupalakua, and Kanaio.

06/25/09 - Drought Watch declared for Upcountry Maui; customers are requested to cut back water usage by 5%.

**NOTES**

- This report is to provide the reader with information on the Department's Upcountry Water Systems.
- Available Surface Water Supply
  - Wailoa Ditch maximum flow is 199.7 million gallons per day.
  - Figures for the Waikamoi Reservoir includes two reservoirs. The total storage capacity (both reservoirs) is 30 million gallons.
  - Figures for the Kahakapao Reservoir includes two reservoirs. The total storage capacity (both reservoirs) is 100 million gallons.
  - Piihola Reservoir has a storage capacity of 50 million gallons.
  - The amount in the TOTAL column is obtained by adding the quantities for Waikamoi, Kahakapao, and Piihola Reservoirs.
- Surface Water Demand
  - The numbers under the heading TREATMENT FACILITY represent the quantity of water sent out from the respective plants.
  - The figure under the heading "Kamole to Piihola Pumping" represents the quantity of water pumped from the Kamole Plant into the untreated water reservoir at Piihola.
  - The actual demand on the Kamole Plant is the amount shown less the "Kamole to Piihola Pumping" amount.
  - The TOTAL column is obtained by adding the demand quantities for the three plants less the amount pumped into the Piihola Reservoir from Kamole WTF.
- Total water used for the day is the sum of Surface Water Production plus Groundwater Production.
- Rounding differences may result in this report.
- Legend:
  - MGD = Million Gallons per Day
  - MG = Million Gallons
  - % = Percentage of Total Capacity
- The Upcountry Water System:
  - Wailoa Ditch serves the Kamole Treatment Facility.
  - Waikamoi and Kahakapao Reservoirs serve the Olinda Treatment Facility.
  - Piihola Reservoir serves the Piihola Treatment Facility.
  - Breakdown of service areas:
    - Kamole Treatment Facility serves Haiku, Haliimaile, Pukalani, and parts of Makawao.
    - Piihola Treatment Facility serves parts of Makawao, Lower Kula, Omaopio, and Pulehu.
    - Olinda Treatment Facility serves Olinda, Upper Kula, Keokea, Waiohuli, Ulupalakua, and Kanaio.
    - Kaupakalua Well serves parts of Haiku.
    - Haiku Well serves parts of Haiku.
    - Po'okela Well supplements the Kamole Treatment Facility (parts of Haiku, Haliimaile, Pukalani, Makawao).