

Periodic Water Reports Summary

PWR HIGHLIGHTS

Each Periodic Water Report is calculated over a 28 day period, which allows for an easier comparison of the data. There are 13 PWRs in a year. The data is reported to the State Commission on Water Resource Management and posted on their website. In addition, a copy of the report is mailed to various agencies and posted around Lānaʻi City. Following are highlights from the most current report found in the link below.

Water usage goes up and down throughout the year based on seasonal demands, projects, leaks, and other changes. The GPD shows the water flow is over a period of time as noted in the text, either for this period or for the year.

Current Period Highlights – 2017 -6

Pumpage: Total water pumped for this period of 28 days was 51,656,000 gallons or an average of 1,844,857 gallons per day (GPD).

Total gallons metered to the different areas of the island was 49,784,000 gallons, or a difference of the wells to the zone meters of 3.62 %.

The Manele Golf Course Brackish water use is averaging 583,480 GPD, compared to 650,000 GPD allowed in the WUDP.

The reclaimed water from the wastewater plants in Lanai City is 35,250 GPD and for Manele Golf Course 35,321 GPD. All the sewage is turned into reclaimed water at the highest non-potable standard called Reclaimed 1 (R1).

Temperature and Chlorides

This page helps us to track changes in the temperature of the groundwater in the wells and the chlorides. Changes can indicate an aquifer or recharge change. Usually they will be very consistent, so we look for trends in the data.

Well Level – High/Low

This page shows the water level in the well during the PWR period. Water levels in the well changes depending on customer needs and when the wells are pumped to meet the demands. This is monitored closely to insure we are not over pumping a particular well. This data helps to manage our wells, as the recharge (amount of water in the well aquifer flowing into the well bore) is different from well to well. To keep from over pumping a well we want to only pump what the well can sustain. We record the highest and lowest well level reading to track the changes.

Remember, conservation of water is a stewardship we all are responsible for.