

Maui County Department of Water Supply
 Maui Island Water Use & Development Plan
Community Workshop – West Maui
 November 28, 2016 – 6:00 p.m. to 9:00 p.m.

Meeting Summary

This was the 2nd workshop in the 3rd round of workshops scheduled in 2016 on the Maui Island Water Use and Development Plan (WUDP) by Department of Water Supply (DWS) staff. Approximately 35 people attended in addition to DWS staff. This set of workshops is focused on WUDP strategies to address the key issue, while two earlier set of public meetings in 2016 were focused on issues and preliminary strategies.

Written materials provided by DWS staff included the Agenda, West Maui Region description, Strategies Matrix, and Summary of West Maui Meetings and Surveys. All prior materials are online at www.mauewater.org – click on Water Use and Development Plan. DWS staff reviewed the West Maui Region handout, and then reviewed the comments and strategies identified at prior West Maui meetings and in surveys with the group as a whole. The following questions and comments were noted by DWS staff at the meeting. DWS comments are provided as indicated.

Subject	Comment	Response
Ditch systems	MLP Irrigation ditches are being sprayed with glyphosate and some other chemicals. Brought it up last year; talked to Earth Justice. Who is spraying?	DWS is not spraying. We do not know who is.
Water availability	What is the water availability for Kahoma Village proposed next to Cannery Mall?	The WUDP will not address availability for specific projects or for those under consideration by at this time.
Water availability	Looking at 2035 demand, is there a lot of potable water available?	There is adequate water; location, priorities, costs are among major considerations.
Stormwater reuse	Water comes down drainages; construct reservoirs to capture this runoff now while land is available and not developed. This is a win/win for multiple purposes.	Stormwater reuse is a strategy. For large-scale projects there are constraints such as liability, dam safety, etc.
Ditch systems	Who will manage the ditch systems? Use manual methods to clear ditches not chemicals.	
Water treatment	Do not use chlorine and fluoride to treat water. Use grapeseed oil and other organics.	Federal law requires use of chlorine. The County does not add fluoride to the drinking water.

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Wells	Participant owns land, aquifer provides a natural purification system for well water.	
Ditch systems	What are the ditch systems?	Maui Land & Pineapple, Pioneer Mill system
Water rights	Water is a public resource. What happens to water rights when water is diverted and conveyed by the ditch systems?	Technically the county and others pay to use the ditch, not for the water itself.
Community Plans	The Planning Objectives (handout page 31) includes maintaining consistency with the community plans- aren't they on hold?	The WUDP will maintain consistency with the adopted community plans.
Streamflow	A table in the handout (page 6) shows diversions on some streams but no water is being diverted (for example, Ukumehame). Why not remove those diversions? The diversion structure can affect the stream even when no water is being diverted, such as unimpeded streamflow and instream species.	The table shows the number of reported diversions for each stream; some are old and may not be functioning, or they may not be in use.
Streamflow	Damage is being done even when the diversion is not being used. Instream gates on Kahoma are backing up debris. When there is a storm this debris comes down into the ocean.	
Stormwater reuse, surface and groundwater systems	It is important to understand the resource and how it is being accessed and used first. Kahoma Stream before the tunnels had a flow of 200,000 gpd. Kuleana parcels way up in the valleys could grow taro. Tunnel water is being diverted, shouldn't waste it. Reservoirs are empty; they could be used to capture stormwater that is going to the ocean.	Tunnel water is considered groundwater.
Stormwater reuse	After the event in Kaua'i where the reservoir dam broke Wahikuli dam was decommissioned. Could reinstate Wahikuli dam and pump water into the ditch system	
Reclaimed water	We are paying to treat wastewater to R-1 that is going to injection.	
Reclaimed water	Can R-1 water go into the ditch?	Yes, as long as it is not for a potable end use.

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Traditional and customary uses	A table in the handout (page 6) shows "Traditional and Customary Uses claimed in 1989 Dec. of Water Use" associated with some streams. What about streams without such claims?	The indication of traditional and customary uses associated with some streams is taken from one source, the 1989 Declarations of Water Use. We are looking for input about traditional and customary uses associated with other streams.
Water quality	<p>The table (handout page 13) showing the effects of withdrawal based on various well locations and pumping scenarios on chloride levels states Scenario 2 is most likely. Why?</p> <p>What are barriers to implementation of Scenario 5, with more distributed withdrawal and acceptable chloride levels for all wells?</p>	Scenario 2 in the USGS study <i>Groundwater Availability in the Lahaina District</i> prepared in cooperation with the County Dept. of Water Supply is based on the most likely future recharge and projected withdrawal based on planned groundwater development during the next 30 years. The results of all scenarios inform on what might occur under various scenarios, so we can make informed decisions. There are no barriers to Scenario 5 (it may cost more and require improved interconnection of the Lahaina subdistricts).
Streamflow, Water availability	<p>Most fish ponds relocated at the coast. Fish ponds on Kahoma Stream were located inland on about 1-1.5 acres. Seven years ago there were still kuleana owners in Kahoma. We take offense to pumping water from Kahoma- it's our family's water, farmers had to leave. Land was adverse possessed when they removed the water. Schools and county were criminals. We are only taking back what was ours. There are wells in Kanaha, Honokohau. How are we going to double the population in Lahaina? We are coming to an ending point as far as what we can do in Lahaina without growth being at the expense of the land and the ocean. R-1 is ok, desal- no. Taking water from stream is going against the Water Code.</p>	The Commission on Water Resource Management has not set instream flow standards yet. This process is an opportunity to provide information about instream uses which can be conveyed to CWRM.

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Kuleana uses	You are not qualified to address kuleana lands. The maps are not correct.	We are using OHA 2009 GIS data. The community may provide alternative data to us. People may review the maps online or request data sets from us.
Streamflow	Look at instream uses. Take Kahoma off the list for diverted water uses. Kahoma is actually two streams.	If the County system does not use surface water then we have to pump groundwater.
Kalo water use	There needs to be a minimum of 500,000 gpd per for lo'i kalo.	We used figures from contested cases.
Kuleana uses	Kuleana are carrying the burden of the community by having our water diverted to support growth. How are we going to support 10,000 more homes?	The WUDP allocates water consistent with the Maui Island Plan.
Meeting conduct	People need the ability to ask questions as you go through the meeting materials.	
Streamflow	Emphasize farmer needs. Water that flows mauka- makai is not wasted. Continuous flow to the ocean- not just low flow- keeps streams flushed out, washes out sediment. All streams should be running to maintain the ecosystem.	
Reclaimed water	R-1 water needs to be used for hotels, golf courses, farmers.	
Streamflow	The Army Corps of Engineers grate system on Kahoma is not cleaned out. There is a build-up of sediment which will be deposited on the reef in a big storm. They are now in the process of removing the grate system.	
Streamflow	Only 3 streams reach the ocean due to diversions.	
Maui Island Plan consistency	Implementing the Maui Island Plan for land use designations alone makes stream restoration more difficult. Protecting kuleana and public trust uses and offshore resources and partial streamflow restoration may mean that MIP land use cannot be fully built-out (p. 21 of handout). Consider all this not just the MIP.	Implementation of the MIP may mean less reliance on surface water in order to meet multiple objectives. This WUDP process can provide guidance on how uses are prioritized.

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Plan Implementation	An implementation plan is needed with timeframe, responsibility, costs, prioritization	The material presented is not the draft WUDP; it provided general strategies to gauge community acceptability before preparing the draft plan and implementation program. It will not provide CIP level details.

Review of West Maui Meeting Summaries and Surveys

The West Maui Meeting Summaries and Surveys in the packet (page 33) was reviewed to see if participants agreed or not, and additional thoughts on solutions.

Type	Strategy
Conservation	Consider a pilot project to experiment with composting toilets.
Watershed protection	Devise a strategy that combines watershed protection and agricultural uses as a symbiotic relationship.
Watershed protection	Fencing above 3000 feet interferes with hunting which is a local food source. Polynesians brought pigs here for a reason. Balance protection with use.
Watershed protection	Proactive measures to address potential spread of rapid Ohia death on Big Island to Maui, which could devastate native forest habitat.
Stream flows Watershed protection	Invest in restoration of Kaua'ula moku'ula. Reforestation brings rain.
Water use priorities	After IFS is met, surplus water can be prioritized for local food production. Capture overflow of water to reservoirs.
Ag support	The vacuum between big ag uses and future local food production threatens the long-term management of the ditch systems.
Water use priorities	Prioritize water allocation for 100% affordable housing projects

Summary prepared by DWS staff, November 29, 2016