APT Committee

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Sent:	Tuesday, March 2, 2021 9:58 AM
То:	APT Committee
Subject:	Slides for Sierra Club presentation at 3/3/2012
Attachments:	APT slides Haiku aquifer 322021.pdf

Please see attached for today's presentation on APT-57

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Ha'iku Aquifer Wells: Get Data First

 Specific recharge info- not just estimates Specifics on aquifer capacity to store water Specifics on locations and concentrations of pollutants from Ag use Specifics on natural stream flow levels & recommended IIFS Specifics on 100 private wells and springs depended on by local residents Specifics on relationship of groundwater flows and nearshore fisheries Specific strategy to respect community plan and meet water needs of Ha'iku



Kuiaha Ahupua'a

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A ULUMALU

Tuesday, March 2, 21

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Most Ha'iku streams are drained dry by EMI system. This could affect recharge of aquifer.

Ha'iku aquifer has no capstone to buildup water levels ("head") 'lao aquifer has a limestone "capstone" layer that builds up water levels -allowing wells to pump millions of gallons



Figure 1. Aquifer sectors and aquifer systems on the Island of Maui, Hawai'i (State of Hawai'i, 2008).

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"Rain follows the forest" 'lao has native forest upslope/ Ha'iku has pasture and shrublands



'lao has high rainfall areas upslope/ Ha'iku has moderate rainfall areas upslope





Is Maui county willing to invest in Ha'iku aquifer to make sure it is a dependable source-- or just "chance 'em"

'lao Aquifer

14 stream gauges
4 rain gauges
1 deep monitoring wells/3 test holes/ 1 observation well

Ha'iku Aquifer

no operational stream gauges Backyard rain gauges only 1 test well- uncertain how it is monitored

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Figure 15-32 Historic Agriculture in Ha`ikū and Pā`ia Aquifers



Any future well plan must comply with state and County laws, including the Pa'ia-Ha'iku Community Plan. Hundreds of Ha'ikū families have waited decades for County Water meters. Meeting Ha'iku needs must be part of well plan



Ha'iku Aquifer supports an ancient, fertile land that deserves to continue to nourish all of Maui. We must plan with care

Mahalo -Sierra Club Maui

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