

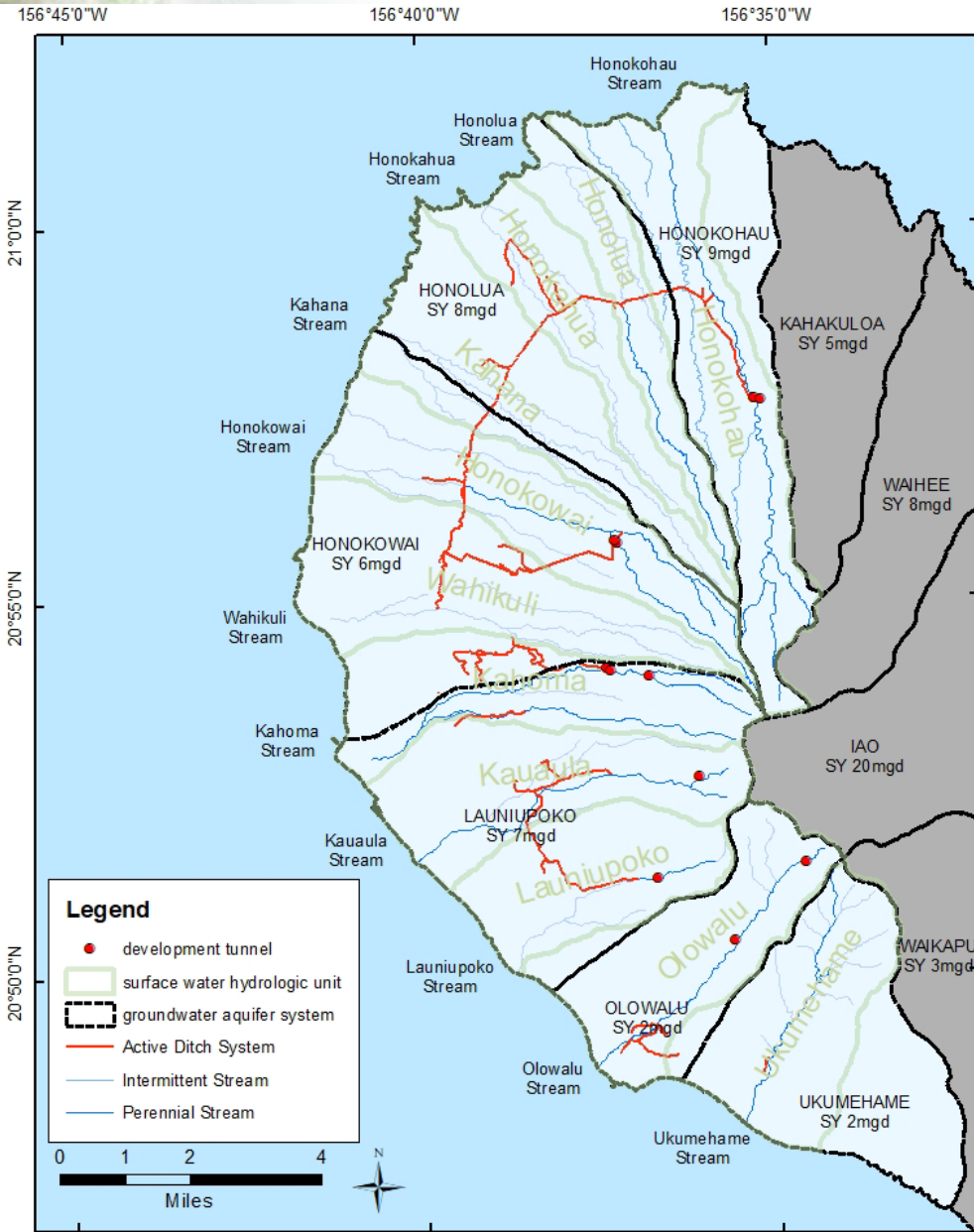
Briefing on the Status of West Maui Water Use Permit Applications Regarding Honokōwai Aquifer System

Agenda Item C-3



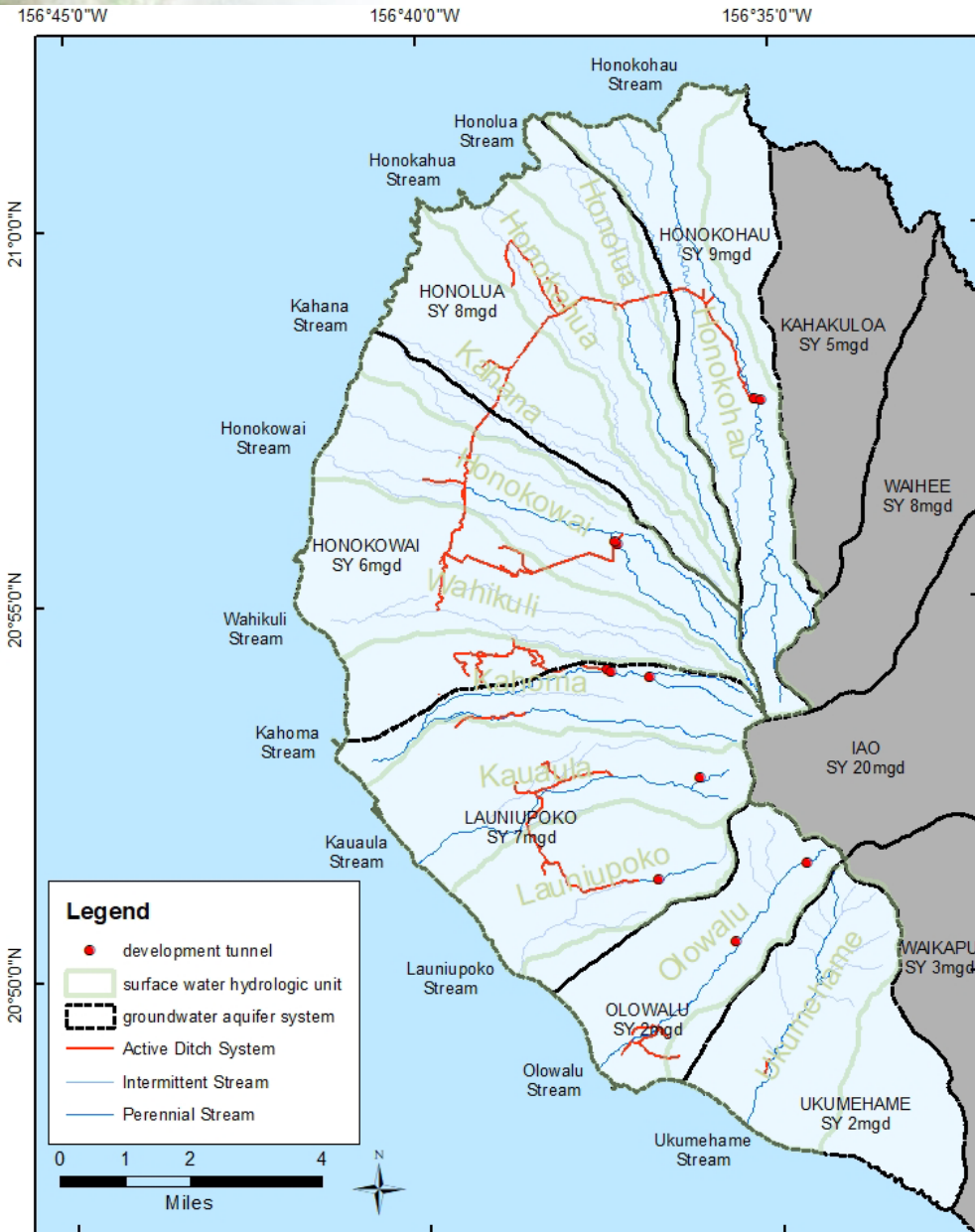
June 18, 2024

Water Management Area



- On June 15, 2023, the Commission adopted the **chairperson's recommendation** to designate the Lahaina Aquifer Sector Area both as surface water and ground water management area.
- Basis for designation is **harm to ground water quantity and quality by saltwater intrusion, serious historic and ongoing disputes over current and planned uses of water occurring, climate uncertainty and potential drought and decline in rainfall and recharge.**
- Surface and ground water interaction and connection that should be managed in an **integrated manner.**

Water Management Area & Water Use Permits



- The **effective date** of the **designation** for the Lahaina Aquifer Sector Area was on **August 6, 2022**.
- Applications for **water use permits** to continue an existing use of surface or ground water had to be filed within 1 year from the effective date of designation, August 5, 2023, and were **due on August 7, 2023**.
- The Commission sent **two notices** to existing users who declared their uses, registered stream diversions or wells, and to persons who had obtained stream diversion works or well construction and pump installation permits to file water use permits applications to continue their existing uses.

Water Management Area - Ground Water Withdrawals

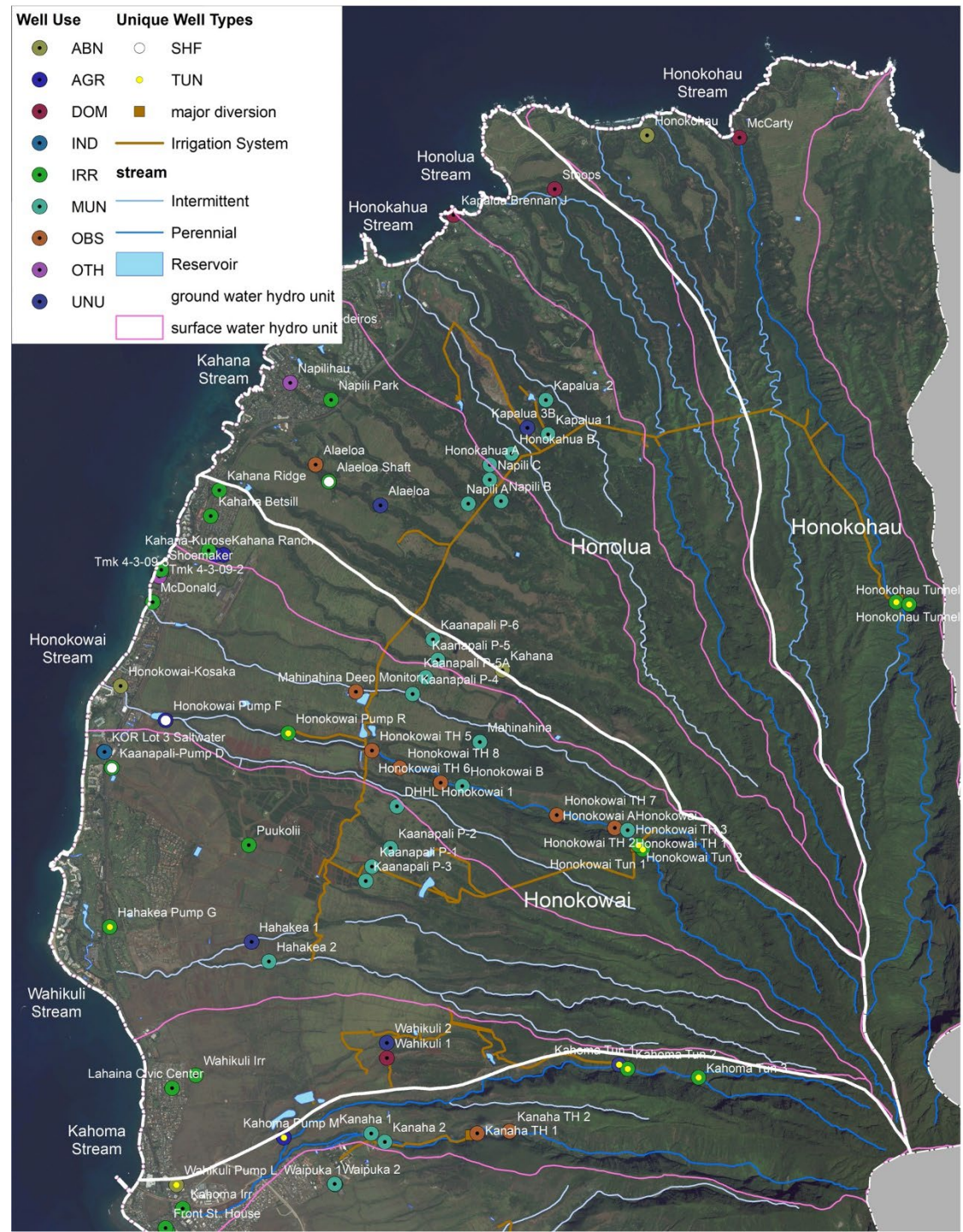
Aquifer System	SY	2020 12-MAV	2021 12-MAV	Develop. tunnel discharge	APU*	total existing + APU	% SY	other perm. well capacity	total incl. other perm. well capacity	% SY
Ukumehame	2	0.042	0.065	0	1.08	1.145	57%	0	1.145	57%
Olowalu	2	0.082	0.069	0.1	0.003	0.167	8%	0.065	0.167	8%
Launiupoko	7	1.637	1.303	3.91	1.036	6.249	89%	1.433	7.682	110%
Honokōwai	6	3.48	4.008	2.5	2.533	9.041	151%	0	9.041	151%
Honolulu	8	2.131	2.534	0	1.969	4.503	56%	0	4.503	56%
Honokōhau	9	0	0	3.75	0.001	3.751	42%	0	3.751	42%

Aquifer system	12-MAV August 2022-23
Ukumehame	0.082
Olowalu	0.392
Launiupoko	2.252
Honokōwai	4.274
Honolulu	2.244
Honokōhauwai	0

- **DHHL** has an approved groundwater **reservation** of 770.000 gpd from the Honokōwai Aquifer that is included in the authorized planned use (APU) of 2.533 MGD.

Water Use Permits in Honokōwai Aquifer & Hydrologic Unit

- Commission staff is processing the surface- and groundwater use application (SWUPA and GWUPA) for existing and new uses in the Honokōwai Aquifer and Hydrologic Unit. The WUPA are not deemed complete yet and letters to applicants with requests for more information to update the applications are pending.



Water Use Permits Received - Honokōwai & Honolulu & Honokōhau Aquifer and Hydrologic Units

GWUPA-E

GWUPA #	Applicant	Well #	Well Name	Aquifer	Domestic Use	T&C Rights	DHHL
1151	AOAO Villas at Kahana Ridge	6-5840-004	Kahana Betsill	Honokōwai			
1152	Nanea Ocean Resort Community Association, Inc	6-5641-003; 6-5641-004	KOR Lot 3 Saltwater & Backup	Honokōwai			
1153	Kahana Ridge HOA	6-5840-002	Kahana Ridge	Honokōwai			
1154	Daniel Levy TY Management Corporation	6-5741-001 6-5938-002; 6-5938-003	McDonald Kapalua 1; Kapalua 2	Honokōwai Honolua			
1159	Maui DWS	6-5938-001; 6-5838-001; 6-5838-002; 6-5838-004	Honokahua B; Napili A; Napili B; Napili C	Honolua			
1160	Maui DWS	6-5938-002; 6-5938-003	Kapalua 1; Kapalua 2	Honolua			
1161	Lars Wernars Trust	6-5840-003	Kahana Ranch	Honokōwai			
1164	Maui County Parks and Recreation	6-5441-002	Lahaina Civic Center	Honokōwai			
1165	Maui County Parks and Recreation	6-5939-002	Napili Park	Honokōwai			
1168	DHHL	6-5440-001	Wahikuli Irrigation	Honokōwai			x

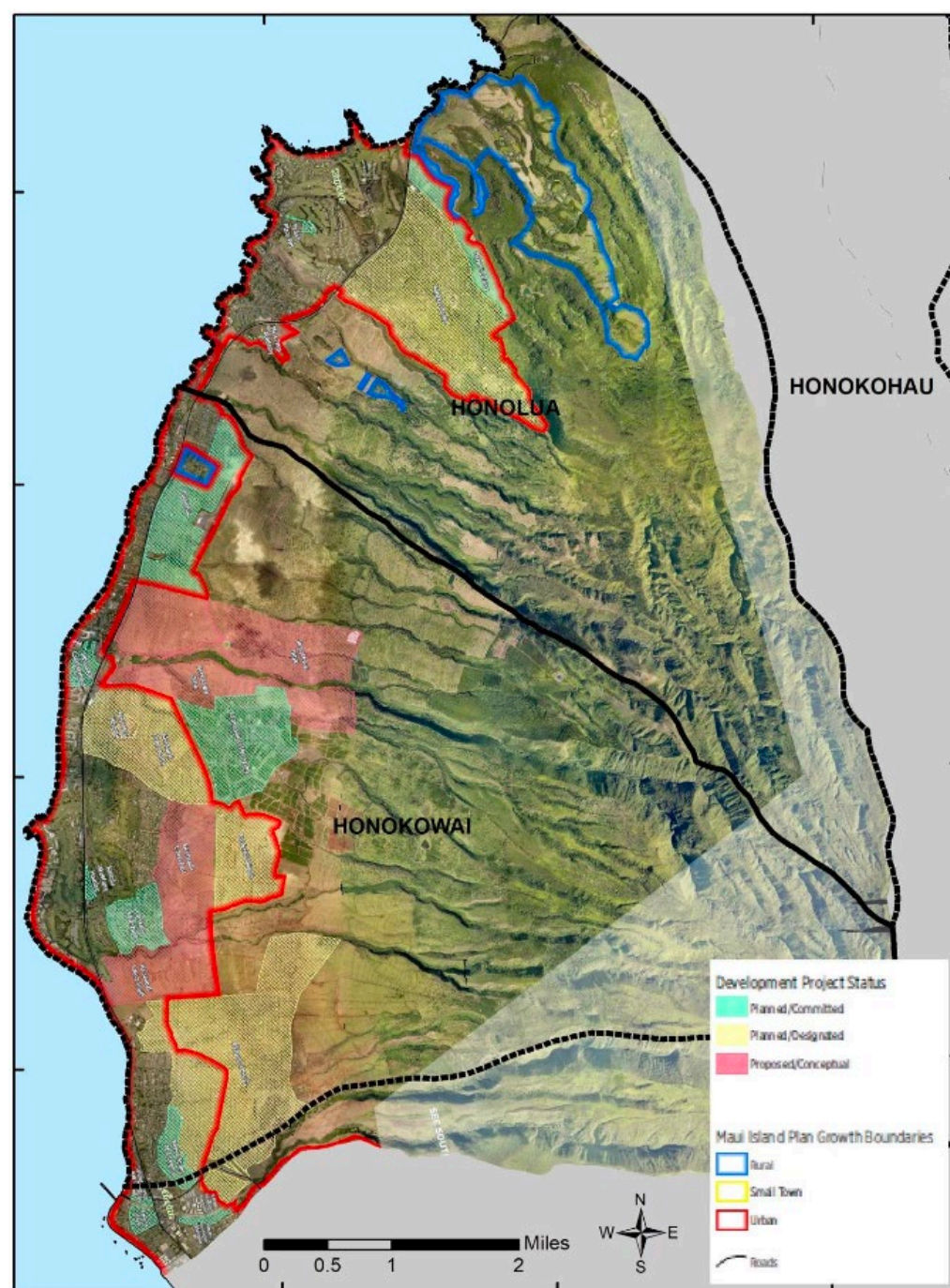
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Water Use Permits Received - Honokōwai & Honolulu & Honokōhau Aquifer and Hydrologic Units cont.

GWUPA #	Applicant	Well #	Well Name	Aquifer	Domestic Use	T&C Rights	DHHL
1170	Hawaii Water Service Co, Inc	6-5938-002; 6-5938-003	Kapalua 1; Kapalua 2	Honolulu			
1171	Kaanapali Land Management Co	6-5537-001; 6-5537-002; 6-5540-001	Honokowai Tunnel 1; Honokowai Tunnel 2; Puukoolii	Honokōwai			
1172	Hawaii Water Service Co, Inc	6-5539-001; 6-5539-002; 6-5539-003	P1; P2; P3	Honokōwai			
1173	Hawaii Water Service Co, Inc	6-5738-001; 6-5739-001; 6-5739-002; 6-5739-004	P-5; P-4; P-6; P-5A	Honokōwai			
1174	Hawaii Water Service Co, Inc	6-5540-003	Hahakea 2	Honokōwai			
GWUPA-N							
GWUPA #	Applicant	Well #	Well Name	Aquifer	Domestic Use	T&C Rights	DHHL
1176	Kahoma Land Co LLC	6-5439-001	Wahikuli 1	Honokōwai			

Kapalua - North Lahaina Development Projects Map with CWRM Aquifer Overlay

- This map shows the development projects in the Honokōwai Aquifer, including DHHL's Villages of Leiali'i and Honokōwai lands and Ka'anapali Land Management Corporation's Pu'ukolii and Ka'anapali 2020.
- Hawai'i Water Service Ka'anapali would serve the latter two development projects.



Ka'anapali Excerpt

Kapalua – North Lahaina Development Projects Map



Source: Long Range Planning Division – Department of Planning – Maui County, March 2020