

ADEPT Committee

From: Axel I. Beers
Sent: Thursday, June 22, 2023 10:13 AM
To: ADEPT Committee
Cc: James G. Krueger; Ellen B. McKinley
Subject: ADEPT-12 Save the Wetlands Hui Presentation
Attachments: ADEPT_Committee_Presentation_6_22_2023.pdf; ADEPT_WETLANDS_OF_SOUTH_MAUI_2023_.pdf

Aloha, staff,

Please see the attached documents from Save the Wetlands Hui for their presentation this afternoon on ADEPT-12

Thank you,
Axel



Axel Beers, Executive Assistant
Office of Councilmember Gabe Johnson
200 South High Street, 8th Floor
Wailuku, HI 96793
<http://mauicounty.us>

Presentation to
Maui County Council
ADEPT COMMITTEE
June 22, 2023

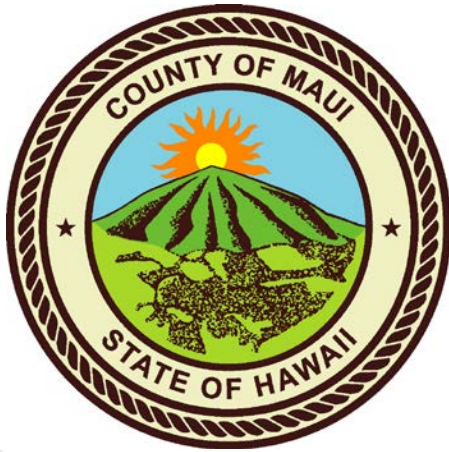




Save the Wetlands Hui is a group of residents with a mission to protect and restore wetlands in Maui County.

Save the Wetlands Environmental and Cultural Project

Mahalo to our Sponsors



Project Scope



Wetlands Inventory and Mapping



Wetland Restoration



Public Education



Stakeholder Outreach

Open Space is not only for recreation and aesthetics, it is space for important natural functions that have value to our community

Open space is space for water to pass through safely

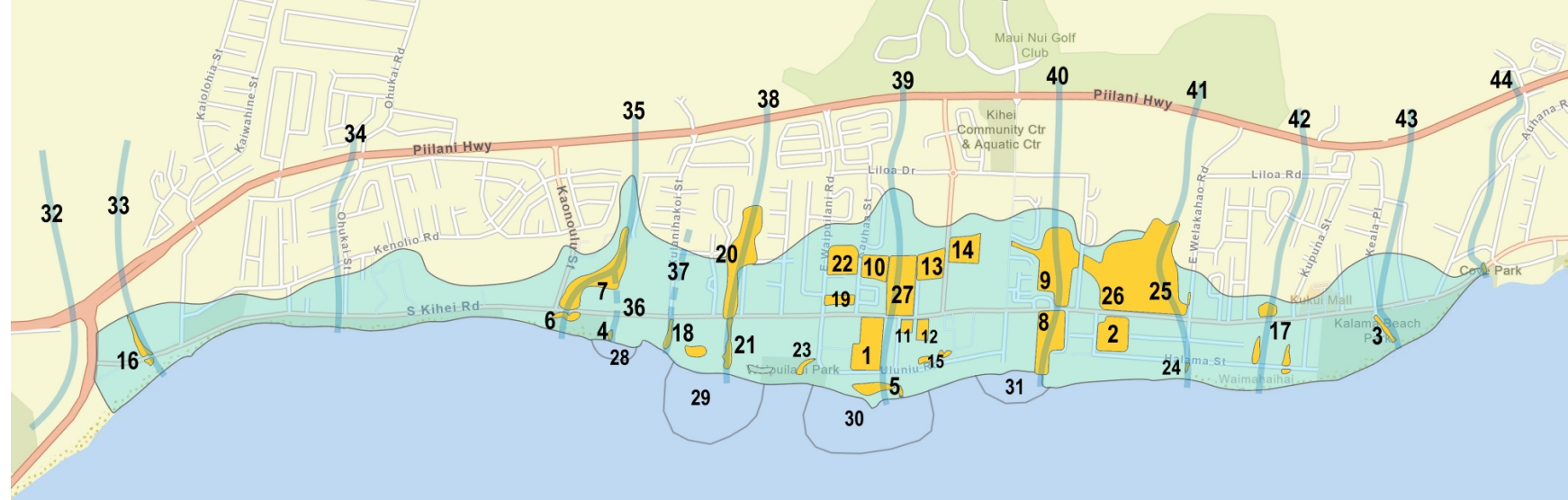
Wetland Function	Wetland Values
Sediment attenuation and reduction	Erosion control, better water quality in streams and ocean for recreation, fishing, and drinking water
Nutrient and chemical attenuation and reduction	Better water quality in streams and ocean for recreation, fisheries and drinking water, cleansing of waste materials, including nutrients, pesticides and herbicides
Flood attenuation and storage	Flood control, public safety within flood zones,
Plant community abundance and diversity	Education and research, agriculture, urban quality of life, open space and aesthetics, timber production, historical and cultural importance, protection of native, threatened or endangered resources
Fish and wildlife habitat	Education and research, birdwatching, urban quality of life, aesthetics, hunting and fishing, historical and cultural importance, protection of native, threatened or endangered resources
Groundwater recharge and discharge	Groundwater use potential, increase water supply
Shoreline or stream bank anchoring	Protection of Property; Prevention of bank and shoreline erosion
Carbon Sequestration	Mitigation of climate change

These are wetland features that were mapped by Save the Wetlands Hui

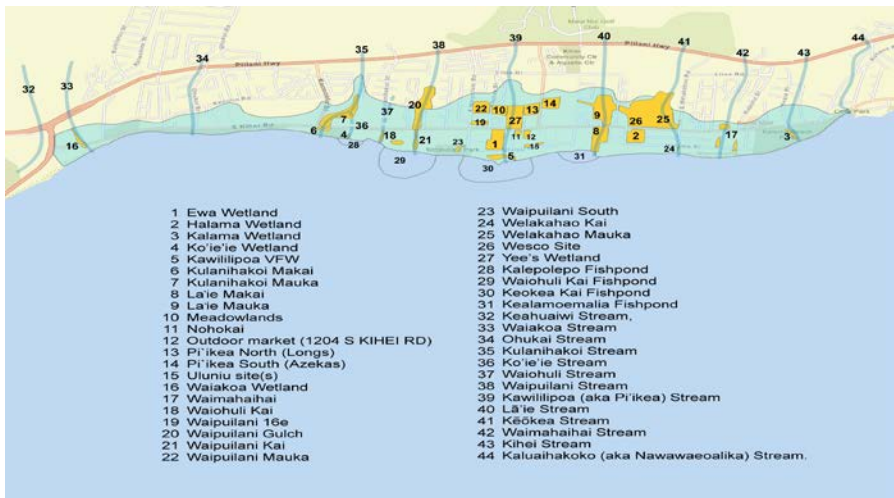
Wetlands are ECOSYSTEMS and conservation of function and value requires protection of the system

Real property is mapped and indexed numerically according to a tax map key (TMK) system. Based upon legal descriptions, TMKs identify individual pieces of property for tax purposes.

A wetland feature can include multiple TMKs and a TMK can be fully or partially located within a wetland.



- | | |
|-------------------------------------|---|
| 1 Ewa Wetland | 23 Waipuilani South |
| 2 Halama Wetland | 24 Welakahao Kai |
| 3 Kalama Wetland | 25 Welakahao Mauka |
| 4 Ko'ie'ie Wetland | 26 Wesco Site |
| 5 Kawililipoa VFW | 27 Yee's Wetland |
| 6 Kulanihakoi Makai | 28 Kalepolepo Fishpond |
| 7 Kulanihakoi Mauka | 29 Waiohuli Kai Fishpond |
| 8 La'ie Makai | 30 Keokea Kai Fishpond |
| 9 La'ie Mauka | 31 Kealamoemalia Fishpond |
| 10 Meadowlands | 32 Keahuaiwi Stream, |
| 11 Nohokai | 33 Waiakoa Stream |
| 12 Outdoor market (1204 S KIHEI RD) | 34 Ohukai Stream |
| 13 Pi'ikea North (Longs) | 35 Kulanihakoi Stream |
| 14 Pi'ikea South (Azekas) | 36 Ko'ie'ie Stream |
| 15 Uluniu site(s) | 37 Waiohuli Stream |
| 16 Waiakoa Wetland | 38 Waipuilani Stream |
| 17 Waimahaihai | 39 Kawililipoa (aka Pi'ikea) Stream |
| 18 Waiohuli Kai | 40 Lā'ie Stream |
| 19 Waipuilani 16e | 41 Kēōkea Stream |
| 20 Waipuilani Gulch | 42 Waimahaihai Stream |
| 21 Waipuilani Kai | 43 Kihei Stream |
| 22 Waipuilani Mauka | 44 Kaluiahakoko (aka Nawawaeoalika) Stream. |



ID number Exhibit A of the Resolution`

TMK

MOKU	WATERSHED	AHUPUA'A	SITE/ASSOCIATION	MAPKEY	Exhibit A ID	TMK/ Parcel	ADDRESS	ACRES
Kula	Waiakoa	Pūlehunui	Waiakoa Wetland	18	4	380130060000	12 S KIHEI RD UNIT	0.22
Kula	Waiakoa	Pūlehunui	Kenolio Park Emphmeral Wetland	-		380770040000	S KIHEI RD	2.81
Kula	Waiakoa	Pūlehunui	Waiakoa Ephemeral	18	5	380770090000	61 S KIHEI RD	29.20
Kula	Waiakoa	Pūlehunui	Waiakoa Ephemeral	18	3	380050340000	KIHEI	3.98
Kula	Hapapa	KAONOULU	Kulanihakai Rivermouth	6		390010150000	640 S KIHEI RD	2.59
Kula	Hapapa	KAONOULU	Kulanihakai Rivermouth	7	8	390011620000	KAONOULU ST	7.00
Kula	Hapapa	KAONOULU	Kulanihakai Streambed	7	91	390620190000	KENOLIO RD KIHEI	2.42
Kula	Hapapa	KAONOULU	Kulanihakai Streambed	7	9	390011640000	KENOLIO RD KIHEI	3.34
Kula	Hapapa	KAONOULU	Kulanihakai Streambed	7		390011650000	679 S KIHEI RD KIHEI	0.12
Kula	Hapapa	KAONOULU	Kulanihakai Streambed	7	7	390011600000	HALILI LN	8.75
Kula	Hapapa	KAONOULU	Kalepolepo Fishpond	28		-	-	0.43
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	6	390010070000	S KIHEI RD	12.89
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	78	390340270000	915 Sth Kihei Rd	0.94
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	90	390590010000	915 S KIHEI RD	1.14
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	91	390620190000	55 HEONA PI, Kihei	7.00

SECRET DECODER RING

The 44 features wetland features include more than 124 TMKS. 77 privately owned TMKS within these features are included in Exhibit A



Overland Surface flow diagram



Stormwater flows connecting Welakahao, Wesco, Halama, La'ie Mauka & Makai (looking South)



Laie Wetlands and Lipoa St.

stormwater flows connecting Welakahao, Wesco, Halama, La'ie (Mauka & Makai)

Kihei's remaining Wetlands are at risk of loss from development

Layer List Legend

Quick Links:

- Property Search
- View Map

Layers:

- Parcels
- Parcel Numbers
- Address Points
- Pending Parcel Changes
- Roads
- Tsunami Evacuation Zones
- Extreme Tsunami Evacuation Zone
- State Land Use Districts
- Flood Hazard Areas
- Neighborhood Code
- Sales
- Special Management Area
- Zoning Districts
- Street Map
- Aerial Pictometry (2020)
- qPublic BaseMap

[Restore Layer Defaults](#)

Results:

Parcel ID - 390100850000
Address - 45 WAI OHULI ST
Owner - HALE WAI OHULI LLC
Acres - 0.3352
[View Report](#) | [Pictometry Imagery](#) | [Google Maps opens in a new tab](#)

Parcel ID - 390100820000
Address - 55 WAI OHULI ST
Owner - MAUI DREAM LIMITED PARTNERSHIP
Acres - 0.5262
[View Report](#) | [Pictometry Imagery](#) | [Google Maps opens in a new tab](#)

Parcel ID - 390100790000
Address - 45 WAI OHULI ST
Owner - SIRY, MOE & MICHELLE TRUST
Acres - 0.2332
[View Report](#) | [Pictometry Imagery](#) | [Google Maps opens in a new tab](#)

Parcel ID - 390100780000
Address - 35 WAI OHULI ST
Owner - MAUI DREAM LIMITED PARTNERSHIP
Acres - 0.5261
[View Report](#) | [Pictometry Imagery](#) | [Google Maps opens in a new tab](#)

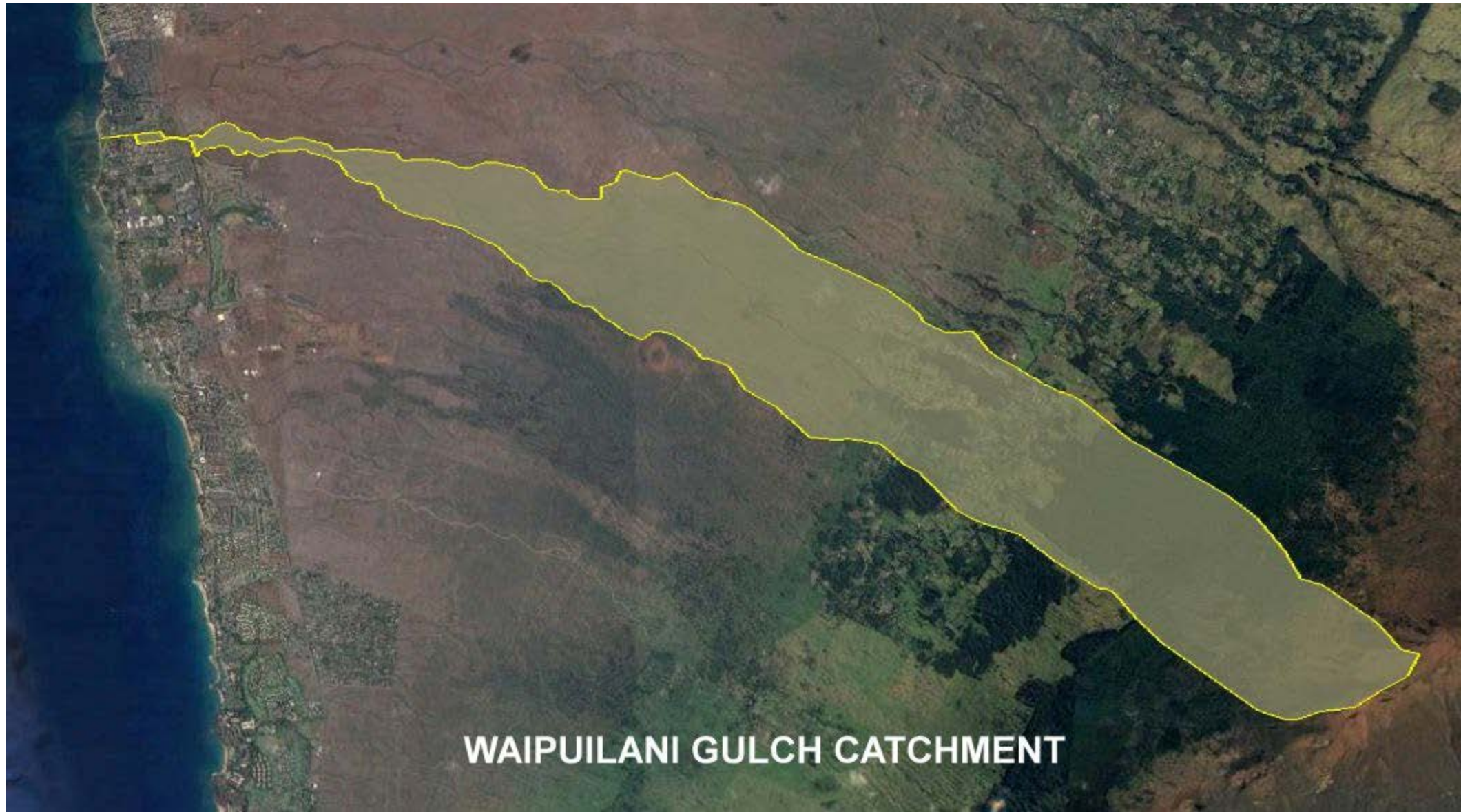
Parcel ID - 390100770000
Address - 1488 S KIHEI RD
Owner - SHANTIVAN LLC
Acres - 0.9961
[View Report](#) | [Pictometry Imagery](#) | [Google Maps opens in a new tab](#)

Parcel ID - 390100190000
Address - 1516 S KIHEI RD
Owner - CHOY, BEATRICE

Parcel ID	390100850000	Situs/Physical Address	45 WAI OHULI ST	Assd Land Value	\$797,300	Last 2 Sales	
Acres	0.3352	Mailing Address	HALE WAI OHULI LLC	Assd Building Value	\$0	Date	Price
Class	NON-OWNER-OCCUPIED/RESIDENTIAL		C/O LEFCOURTE, CAROLE	Total Assd Value	\$797,300	2/4/2021	\$657500
			2711 UTTER ST	Exempt Value	\$0	9/18/2020	\$625000
			BELLINGHAM WA 98225	Taxable Value	\$797,300		MLS Listing U
Brief Tax Description	n/a						

(Note: Not to be used on legal documents)

Wetland are predominantly located on privately-owned lots.



WAIPUILANI GULCH CATCHMENT



Waipuilani Gulch Catchment and Kahawai



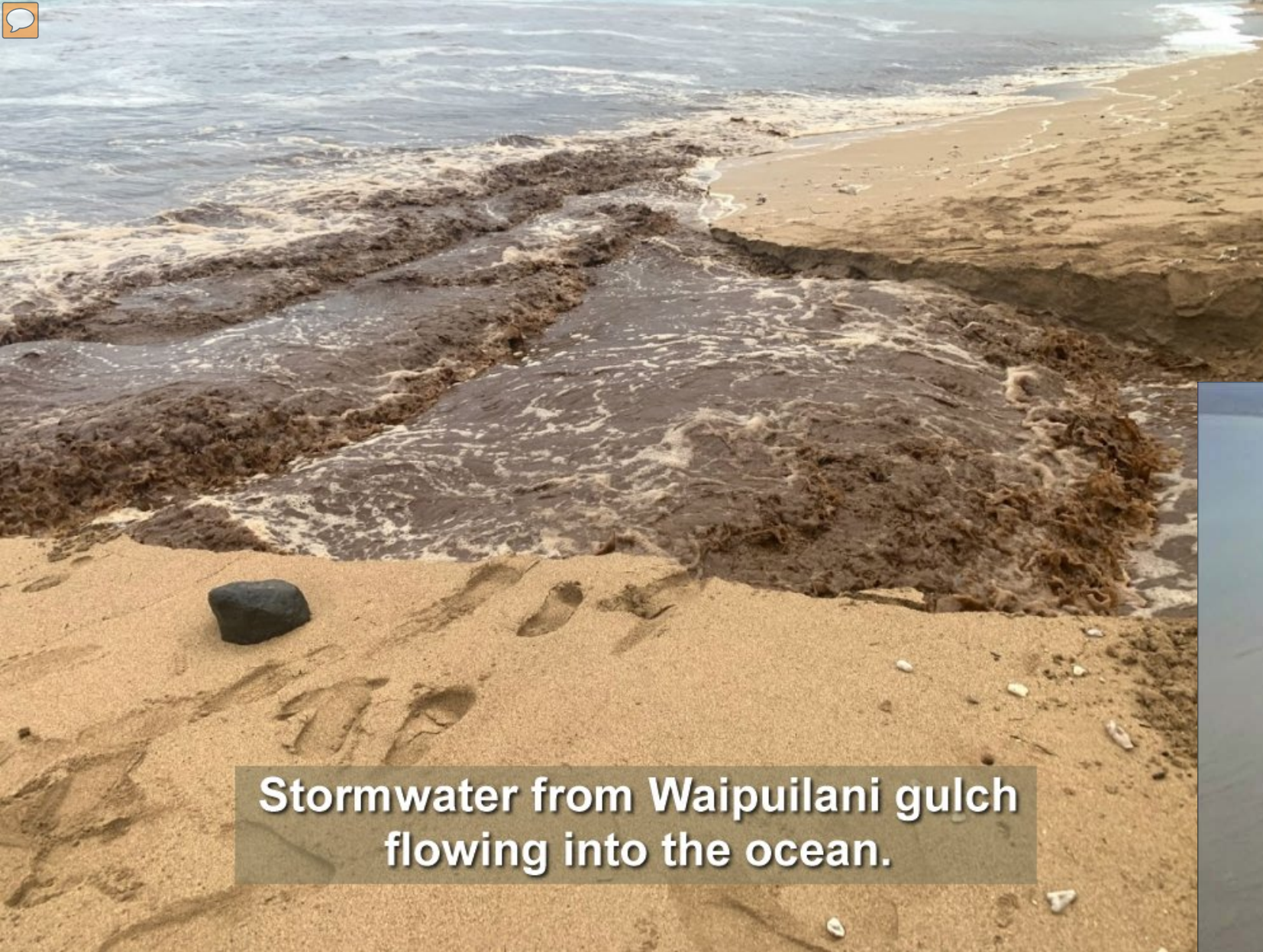
Wetlands are part of the watershed infrastructure



Proposed development filing in Waipuilani Gulch received SMA extension

Stormwater flooding from project site - Waipuilani Gulch





Stormwater from Waipuilani gulch flowing into the ocean.

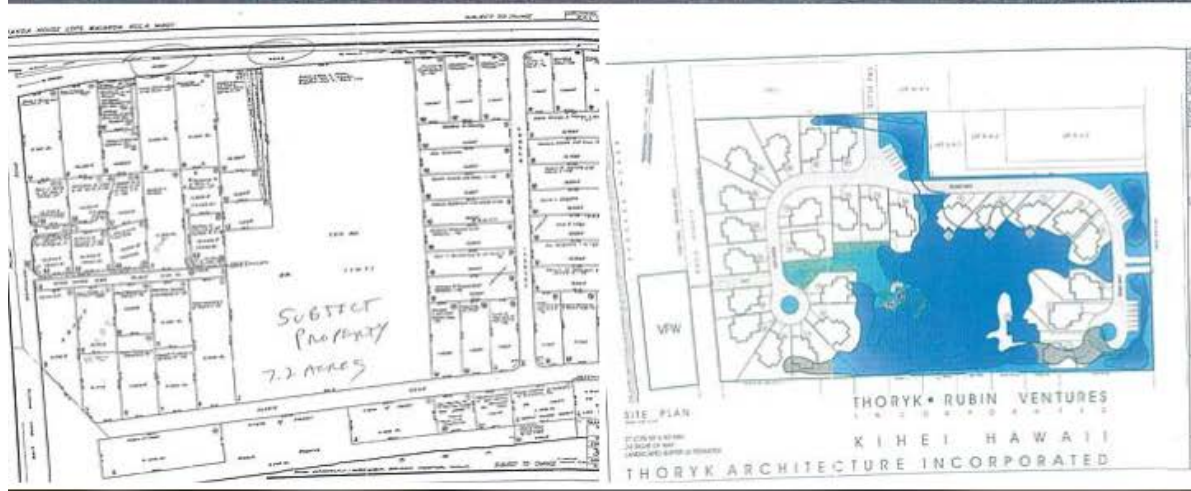
Stormwater runoff from Waipuilani Gulch



Stormwater runoff from Waipuilani Gulch



Keeping floodwaters in wetlands reduces the amount stormwater runoff entering the ocean.



\$4,950,000 7.2 Acres

1144 S Kihei Rd, Kihei, HI 96753

Contact Agent

Overview Facts and features Home value Price and tax >

Incredible location. This property runs from Kihei road down to Uluniu Street by the VFW hall and beach access. Property is zoned R-3 for 10,000 SF lots which may allow up to 2 ohanas. There was a plan for a 27 lot subdivision which never happened. Two of the acres are dedicated wet lands. A full wetland survey by Vuich Environmental Consultants was performed on December 27, 2004:Project # 0409-875. The full report is available to a serious developer/buyer. So, if the county allows a house and cottage then up to 81 units could be built. If you go affordable, add an ohana and up to 108 units could be built. The buyer should hire a professional planner and do the due diligence required to develop this property. The beauty of this land is that it is right across the road to the beach. This is one of the very last parcels with this zoning with this proximity to the ocean. This is a developer's dream. Do affordable and the county will give all the water you need. A market priced project might be harder to get through the county without the water. An SMA permit will be required. Walk to Azeka place phases 1 & 2 and even walk to the Safeway Shopping Center.

Read less

EWA WETLANDS WATERSHED FEATURES



1. WAIOHULI KAI FISHPOND
2. EWA WETLAND
3. VFW (WETLAND)
4. YEE'S WETLAND
5. PIIKEA NORTH WETLAND,
6. PIIKEA SOUTH WETLAND
7. WAIPUILANI KIAWE SITE
8. WAIPUILANI 16E SITE
9. PIIKEA PARK RETENTION BASIN
10. SMALL WETLAND



Wetland Nexus cluster in Central Kihei



Flooding in areas where
Stormwater drains to Ewa Wetland





MAHALO

<u>MOKU</u>	<u>WATERS</u>	<u>AHUPUA'A</u>	<u>SITE/ASSOCIATION</u>	<u>MAPKEY</u>	<u>Exhibit A ID</u>	<u>TMK/ Parcel</u>	<u>ADDRESS</u>	<u>ACRES</u>
Kula	Waiakoa	Pūlehunui	Waiakoa Wetland	18	4	380130060000	12 S KIHEI RD UNIT	0.22
Kula	Waiakoa	Pūlehunui	Kenolio Park Emphmeral Wetl.	-		380770040000	S KIHEI RD	2.81
Kula	Waiakoa	Pūlehunui	Waiakoa Ephemeral	18	5	380770090000	61 S KIHEI RD	29.20
Kula	Waiakoa	Pūlehunui	Waiakoa Ephemeral	18	3	380050340000	KIHEI	3.98
Kula	Hapapa	KAONOULU	Kulanihakoi Rivermouth	6		390010150000	640 S KIHEI RD	2.59
Kula	Hapapa	KAONOULU	Kulanihakoi Rivermouth	7	8	390011620000	KAONOULU ST	7.00
Kula	Hapapa	KAONOULU	Kulanihakoi Streambed	7	91	390620190000	KENOLIO RD KIHEI	2.42
Kula	Hapapa	KAONOULU	Kulanihakoi Streambed	7	9	390011640000	KENOLIO RD KIHEI	3.34
Kula	Hapapa	KAONOULU	Kulanihakoi Streambed	7		390011650000	679 S KIHEI RD KIHEI	0.12
Kula	Hapapa	KAONOULU	Kulanihakoi Streambed	7	7	390011600000	HALILI LN	8.75
Kula	Hapapa	KAONOULU	Kalepolepo Fishpond	28		-	-	0.43
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	6	390010070000	S KIHEI RD	12.89
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	78	390340270000	915 Sth Kihei Rd	0.94
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	90	390590010000	915 S KIHEI RD	1.14
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	20	91	390620190000	55 HEONA PI, Kihei	7.00
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	23		390010010000	S KIHEI RD	22.94
Kula	Hapapa	WAIQHULI	Waipuilani Gulch	23		390010010000	S KIHEI RD	22.94
Kula	Hapapa	WAIQHULI	Waipuilani Park	18		390011750000	S KIHEI RD	0.35
Kula	Hapapa	WAIQHULI	Waipuilani Park	18		390011400000	S KIHEI RD	0.24
Kula	Hapapa	WAIQHULI	Kawililipoa VFW	5		390070050000	ULUNI RD	4.04
Kula	Hapapa	WAIQHULI	Kawililipoa	5		390070040000	ULUNI RD	0.63
Kula	Hapapa	WAIQHULI	Kawililipoa	5		390070030000	1136 ULUNI RD	0.40
Kula	Hapapa	WAIQHULI	Kawililipoa	5		390070650000	ULUNI RD	0.16
Kula	Hapapa	WAIQHULI	Kawililipoa	5		390080010000	ULUNI RD	1.77
Kula	Hapapa	WAIQHULI	Kawililipoa Reserve	5		390090120000	70 W. LIPOA STREET	0.35
Kula	Hapapa	WAIQHULI	Kawililipoa Reserve	5		390090320000	W LIPOA STREET	0.54
Kula	Hapapa	WAIQHULI	Kawililipoa Reserve	5		390090310000	W LIPOA STREET	0.10
	Hapapa	WAIQHULI	Waiohulikai Fishpond	29		-	-	32.07
Kula	Hapapa	WAIQHULI	Ewa Wetlands	1	36	390070070000	1144 S KIHEI RD	7.22

Kula	Hapapa	WAIQHULI	Waipuilani Rd Kiawe	22	80	390460130000	E WAIPUILANI RD	7.22
Kula	Hapapa	WAIQHULI	16E Waipuilani Rd	19	79	390460110000	16E WAIPUILANI RD	1.53
Kula	Hapapa	WAIQHULI	Azekas/Meadowlands	10	87	390520330000	LAUMAWEA LOOP KIHEI	1.62
Kula	Hapapa	WAIQHULI	Azekas/Meadowlands	10	88	390520340000	LAUMAWEA LOOP KIHEI	0.91
Kula	Hapapa	WAIQHULI	Yees-Azekas	27	81	390460170000	1163 S KIHEI RD	20.88
Kula	Hapapa	WAIQHULI	Azekas-Uluniu	15	46	390080170000	1228 S KIHEI RD	1.78
Kula	Hapapa	WAIQHULI	OutdoorMarket	12	45	390080160000	1204 S KIHEI RD	0.93
Kula	Hapapa	WAIQHULI	Azekas-Makai/Uluniu	15	44	390080140000	1205 ULUNIU RD	1.02
Kula	Hapapa	WAIQHULI	Pi'ikea North	13	12	390020300000	1228 S KIHEI Rd	13.47
Kula	Hapapa	WAIQHULI	Pi'ikea South	14		390020800000	PIIKEA AVE	3.50
Kula	Hapapa	WAIQHULI	Azekas-Makai/Uluniu	15	43	390080130000	1231 ULUNIU RD	2.09
Kula	Hapapa	WAIQHULI	Azekas-Makai/Uluniu	15	47	390080180000	1215 ULUNIU RD	1.07
Kula	Hapapa	WAIQHULI	Nohokai	11	37	390070370000	23 NOHOKAI ST	0.29
Kula	Hapapa	WAIQHULI	Nohokai	11	38	390070380000	1194 S KIHEI RD	0.27
Kula	Hapapa	WAIQHULI	Nohokai	11	39	390070390000	1188 S KIHEI RD	0.27
Kula	Hapapa	WAIQHULI	Nohokai	11	41	390070400000	13 NOHOKAI ST	0.27
Kula	Hapapa	WAIQHULI	Keokeakai Fishpond	30		-	-	29.67
Kula	Hapapa	KOEKEA	Lā'ie Makai	8		390090130000	Sth Kihei Road	6.05
Kula	Hapapa	KOEKEA	Lā'ie Makai	8	49	390090070000	83 W KAPU PL	0.19
Kula	Hapapa	KOEKEA	Lā'ie Makai	8	52	390090160002	47 W Kapu PI	0.21
Kula	Hapapa	KOEKEA	Lā'ie Mauka	9	13	390020880000	1433 S KIHEI RD	0.35
Kula	Hapapa	KOEKEA	Lā'ie Mauka	9	14	390020890000	1423 S KIHEI RD	0.35
Kula	Hapapa	KOEKEA	Lā'ie Mauka	9	15	390020900000	1415 S KIHEI RD	0.35
Kula	Hapapa	KOEKEA	Lā'ie Mauka	9	16	390020950000	E KAPU PL	0.90
Kula	Hapapa	KOEKEA	Lā'ie Mauka	9	17	390020960000	E KAPU PL	0.90
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	18	390020970000	E KAPU PL	0.90
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	19	390020980000	E KAPU PL	0.90
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	20	390021000000	E KAPU PL	0.90
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	21	390021010000	E KAPU PL	0.90
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	22	390021020000	E KAPU PL	1.31
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	23	390021030000	E KAPU PL	1.31
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	24	390021040000	E KAPU PL	1.31
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	25	390021050000	E KAPU PL	1.31

Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	26	390021060000	E KAPU PL	1.31
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	27	390021070000	E KAPU PL	1.31
Kula	Hapapa	KOEKEA	Lā'ie Mauka	8	28	390021080000	1408 LILOA DR	0.31
Kula	Hapapa	KOEKEA	La'ie Mauka (Bridge)	8	83	390510060000	61 HALEKUI LLC	0.68
Kula	Hapapa	KOEKEA	La'ie Mauka (Bridge)	8	82	390510070000	81 HALEKUI ST	0.59
Kula	Hapapa	KOEKEA	La'ie Mauka (Bridge)	8	85	390510210000	80 HALEKUI ST	0.63
Kula	Hapapa	KOEKEA	La'ie Mauka (Bridge)	8	84	390510200000	60 HALEKUI ST	0.69
Kula	Hapapa	KOEKEA	La'ie Mauka (Bridge)	8	88	390510340000	96 KIO LOOP	0.83
Kula	Hapapa	KOEKEA	La'ie Mauka (Bridge)	8	30	390021180000	1473 S KIHEI RD	2.00
Kula	Hapapa	KOEKEA	Kealamoemalia Fishpond	31		-	-	8.81
Kula	Hapapa	KOEKEA	Halama Site	2	62	390100770000	1488 S KIHEI RD	1.00
Kula	Hapapa	KOEKEA	Halama Site	2	53	390100190000	1516 S KIHEI RD	1.00
Kula	Hapapa	KOEKEA	Halama Site	2	65	390100810000	1519 HALAMA ST	0.47
Kula	Hapapa	KOEKEA	Halama Site	2	60	390100750000	1519 HALAMA ST	0.47
Kula	Hapapa	KOEKEA	Halama Site	2	66	390100820000	55 WAIOHULI ST	0.53
Kula	Hapapa	KOEKEA	Halama Site	2	63	390100780000	35 WAIOHULI ST	0.53
Kula	Hapapa	KOEKEA	Halama Site	2	64	390100790000	45 WAIOHULI ST	0.23
Kula	Hapapa	KOEKEA	Halama Site	2	67	390100850000	45 WAIOHULI ST	0.34
Kula	Hapapa	KOEKEA	Halama Site	2	59	390100340000	1531 N ALANIU PL	0.24
Kula	Hapapa	KOEKEA	Halama Site	2	61	390100760000	1476 S KIHEI RD	1.00
Kula	Hapapa	KOEKEA	Welakahao/wesco	25	10	390020140000	79 E WELAKAHAO RD	20.00
Kula	Hapapa	KOEKEA	Welakahao/wesco	25	29	390021160000	119 E WELAKAHAO RD	16.82
Kula	Hapapa	KOEKEA	Welakahao/wesco	26	11	390020160000	1493 S KIHEI RD	20.32
Kula	Hapapa	KOEKEA	Welakahao/wesco	25	31	390021500000	171 E WELAKAHAO RD	1.51
Kula	Hapapa	KOEKEA	Welakahao/wesco	25	32	390021510000	175 E WELAKAHAO RD	3.00
Kula	Hapapa	KOEKEA	Welakahao/Makai	24		-	Welakahao Rd	0.10
Kula	Wailea	KAMA'OLE	KALAMA PARK Wetland	3		390050520000	1900 S KIHEI RD	36.40
Kula	Wailea	KAMA'OLE	Waimahaihai Mitigation	17	74	390270010000	1745 S KIHEI RD	10.54
Kula	Wailea	KAMA'OLE	Waimahaihai Streambed	17	76	390330830000	NA	0.69
Kula	Wailea	KAMA'OLE	Waimahaihai Streambed	17	77	390330840000	NA	0.65

