

PROPOSED SOLUTIONS FOR COMMUNITY WATER ISSUES IN WEST MAUI

TY Management **Hawaii Corporation**

February 24, 2026 CWRM Meeting



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1 Introduction of TY Management

Introduction of TY Management

Who We Are

TY Management (TY) is a Hawai'i-based company that has owned and operated two golf courses in Kapalua, Maui for more than 15 years.

- **Plantation Course**
(a longtime venue of the PGA tournament, generating \$50M economic impact on Maui)
- **Bay Course**
(currently closed due to water restriction)
- **129 employees**



Introduction: Part of the Maui Community

Temporary Housing

To help victims of the Lāhainā wildfire, TY worked with local architects, construction companies and professionals to build 50 temporary housing units named Kapalua Village, which are currently fully occupied.



Temporary School

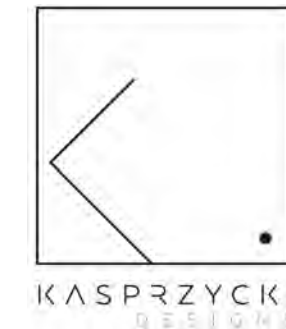
After the Lāhainā wildfire, TY renovated an unused restaurant to build an interim campus for Hawaii Technology Academy. The campus is lease-free.



Introduction: Part of the Maui Community

Ho'ola Lāhainā

Via the Hua Momona Foundation, TY supports local architecture firm Kasprzycki Design, which offers pro bono plans and permitting services to Maui residents who lost their homes. Currently, 70 building permits have been granted.

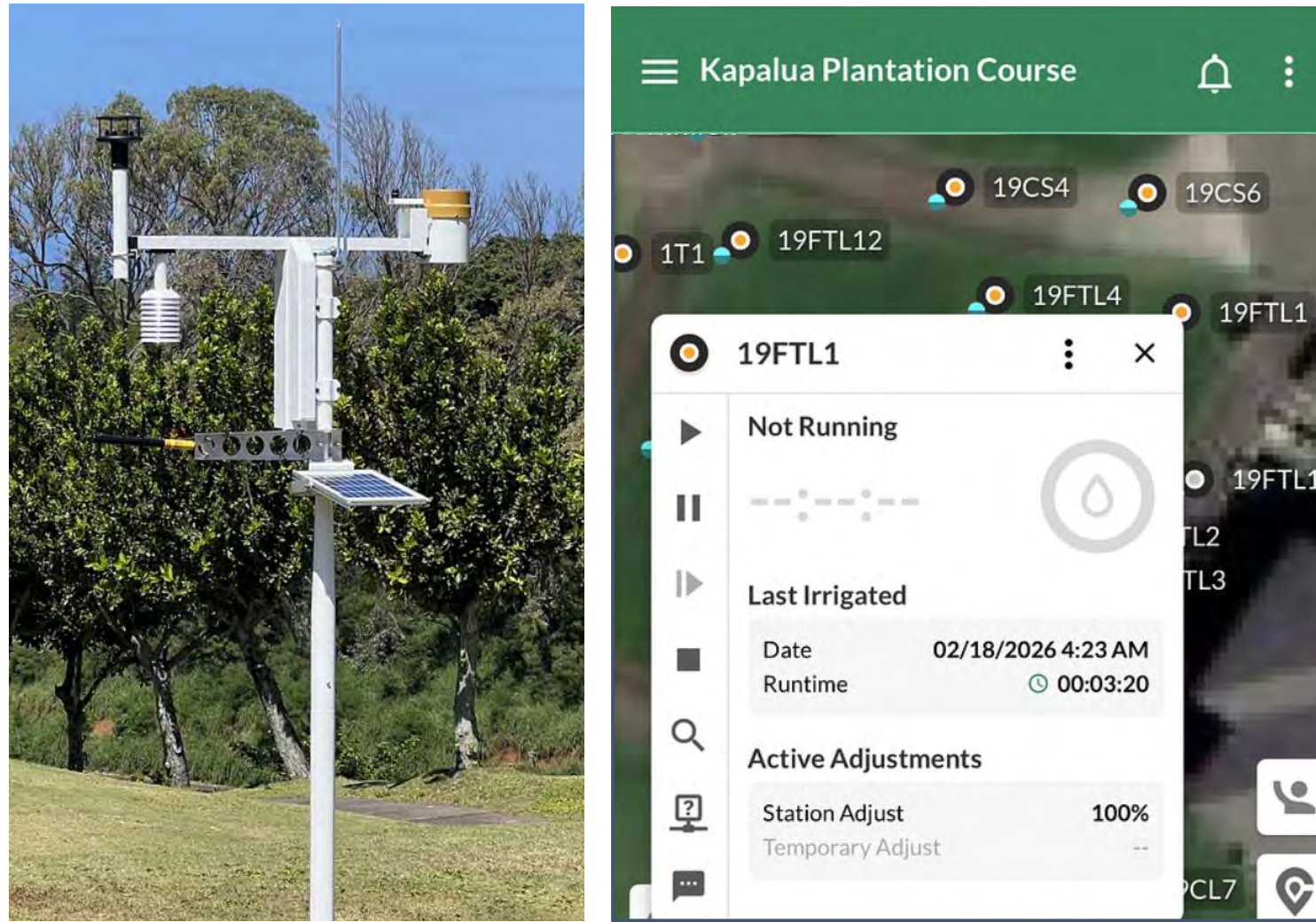


Donations to 20 Non-Profits

TY has donated \$750,000 to Peace Winds America, enabling grants for 20 Maui community organizations to replace lost donations from the proceeds of the PGA Sentry Tournament.



Introduction: Water Conservation Actions




Renovation of Plantation Course

In 2019, TY renovated the Plantation Course to include water reduction methods:

- State-of-the-art sprinkler system saves water
- Reduced grass area by 6 acres (or 6% of total grass area)

Donations to Watershed Preservation

In 2024 and 2025, TY donated a total of \$1,000,000 to non-profit organizations that protect and care for the Pu'u Kukui Watershed

An underwater photograph showing the surface of the water from below. The water is a deep blue-green color, and there are many ripples and bubbles visible. The light is coming from above, creating a shimmering effect on the water's surface.

2 Water Issues in West Maui

Why We Are Doing This

For generations, providing sufficient water to satisfy the needs of various users has been problematic.

As one of the large water users in West Maui, TY would like to work with all stakeholders including, but not limited to:

- Honokōhau Valley residents
- Public trust users such as farmers and homeowners
- Future water users such as Department of Hawaiian Home Lands
- Reasonable and beneficial users
- Governmental bodies and private entities

Our goal is to satisfy the water demand of the entire community by repairing and developing the water system and related permit situation.

Following are the four key areas of improvement by our water solutions:

1. Water Source Diversification
2. Efficient and Sufficient Water Storage
3. Improved Transmission
4. Expedited Permits and Approvals

Water Issues in West Maui

Water Issues

Streamflow

- Streamflow has been cyclical over the years with wet and dry periods
- Historically, streamflow has gone through periods of similar conditions (see highlighted box in table); this current period (2019+) is not unusual

Upstream

No maintenance on the stream, development tunnels or access trail after Hurricane Olivia damaged the stream in 2018

Ditch System

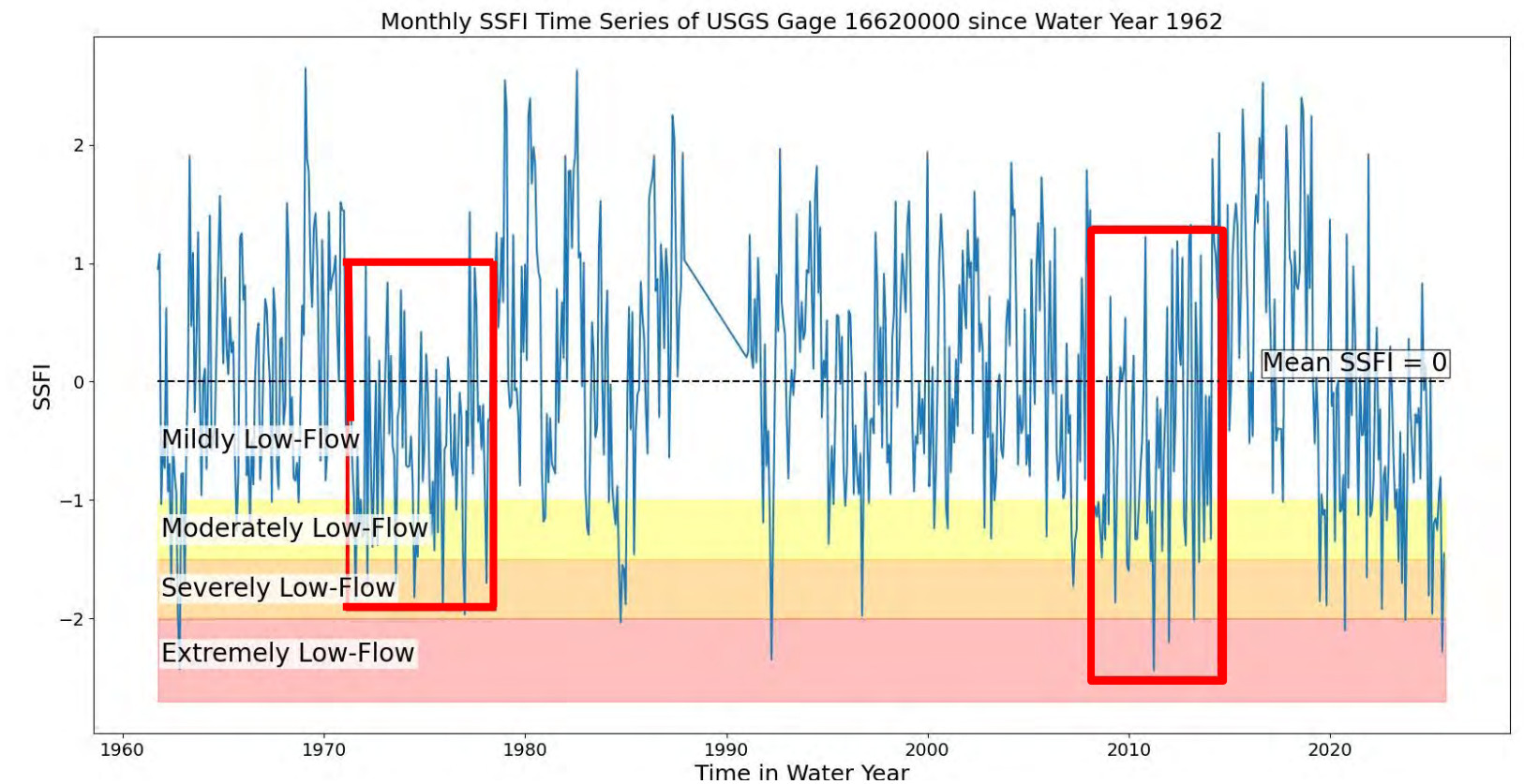
- No annual maintenance of the Honokōhau Ditch for many years, causing potential for water leakage and water loss
- Most plantation-era reservoirs have not been kept in service

Downstream

Damaged Village Reservoir has water leakage and is unable to retain water to its full capacity

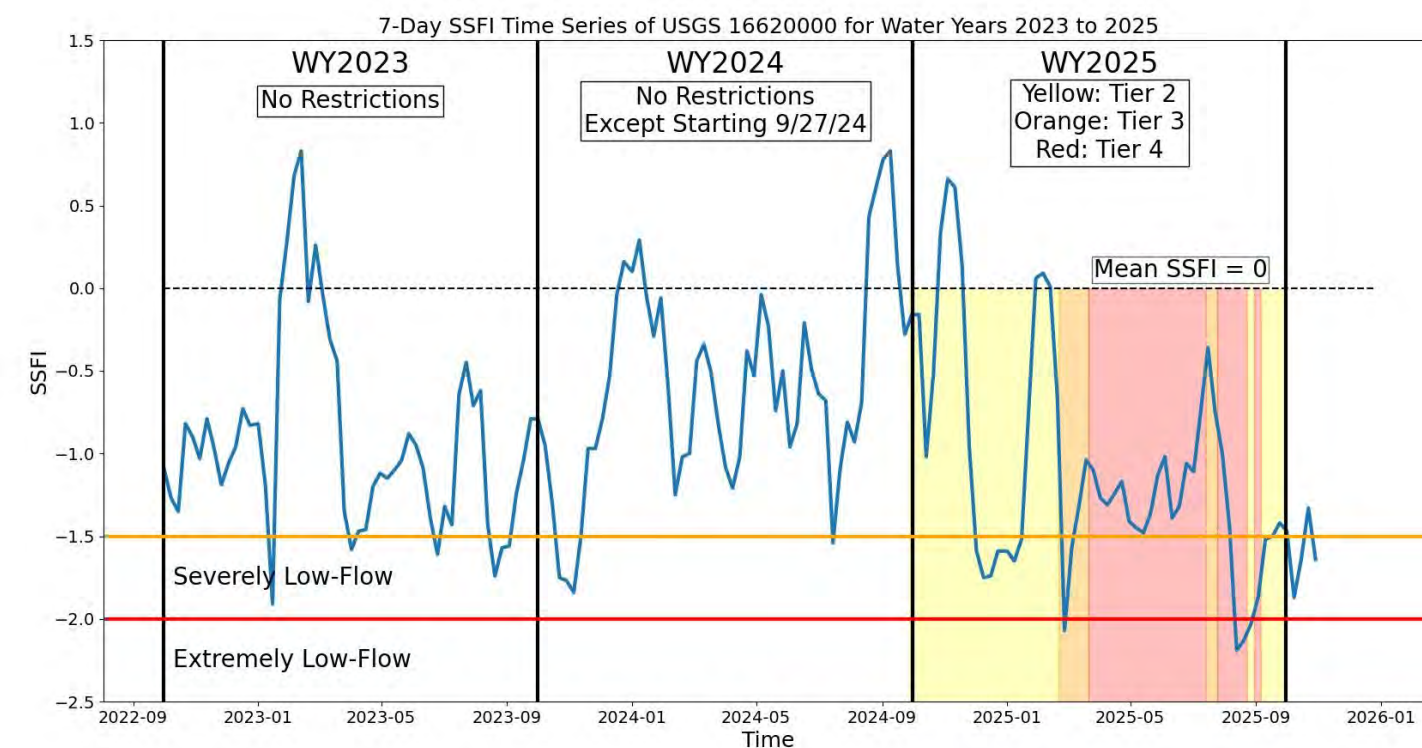
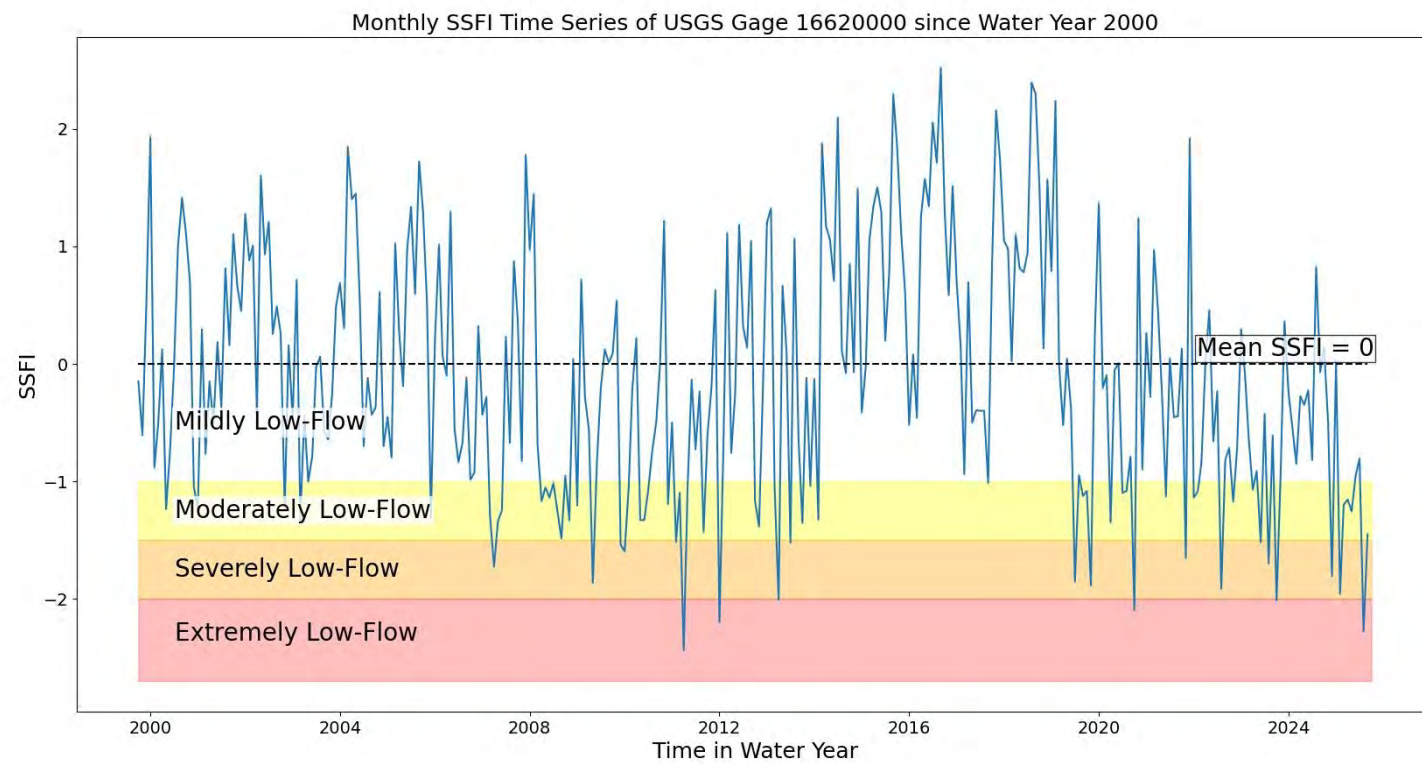
Reclaimed Water (R1 Water)

- Permits and Approvals
- Excess R1 water was unused in the past due to lack of demand
- Planning and infrastructure is needed to prepare for future increase in excess R1 water



Water Issues in West Maui: STREAMFLOW

Streamflow Prior to Diversion



Streamflow Issues

- Monthly index shown on top left calculated with USGS 16620000 streamflow gage on Honokōhau Stream
- 7-day period index calculated with the same USGS 1662000 gage on bottom left zoomed in to water years (WY) 2023-2025
- Honokōhau Stream has periods of low flow in recent years
- February and August of WY 2025 have been especially dry
- However, September to October and March to July of WY 2025 had conditions better or similar to WY 2023
- Yet, no water restrictions imposed in WY 2023 compared to WY 2025
- Suggests water shortage is not caused by low flow conditions but by possible mismanagement of water infrastructure (source, storage, transmission)

Water Issues in West Maui: UPSTREAM

Upstream Issues

Development Tunnel

One of the development tunnels, which supplies a stable source of water regardless of rainfall, has collapsed

Split Stream

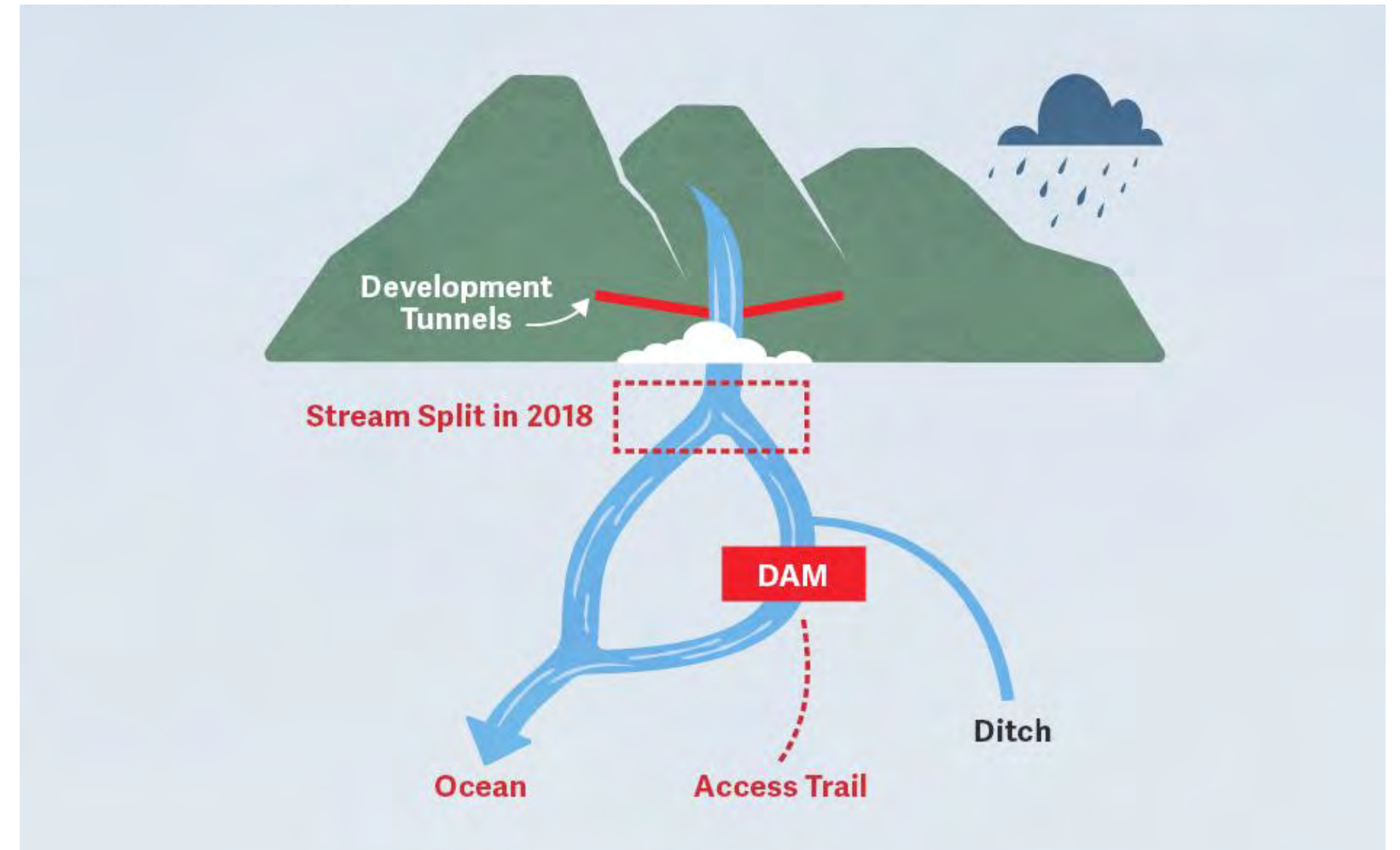
After Hurricane Olivia in 2018, Honokōhau Stream was damaged and split into two streams before the dam and ditch intake

Dam (Aotaki Weir)

- Because of lack of maintenance, a large amount of sediment has accumulated behind the dam
- Causes debris to enter ditch and causes maintenance issues

Access Trail

The damaged bridge and badly maintained access trail prevent workers from being able to repair and maintain the upper portion of the water system



Ditch Intake



Ditch System Issues

No Disclosure of Conditions

Maui Land & Pineapple (MLP) did not disclose the conditions of the ditch system

No Annual Maintenance Shutdown

According to several individuals familiar with the ditch system, regular annual shutdowns to inspect, maintain, and repair it have not occurred for years

Six-Year-Long Violation of CWRM Order

MLP was negligent about the CWRM order that was issued in 2019 and amended in 2021

Continuing Water Restrictions

Although there was significant rainfall after November 2025, such as heavy rain from February 7 to 9, the Tier 3 water restriction (60% of water restricted) has been in effect since September 2025

Water Issues in West Maui: DOWNSTREAM

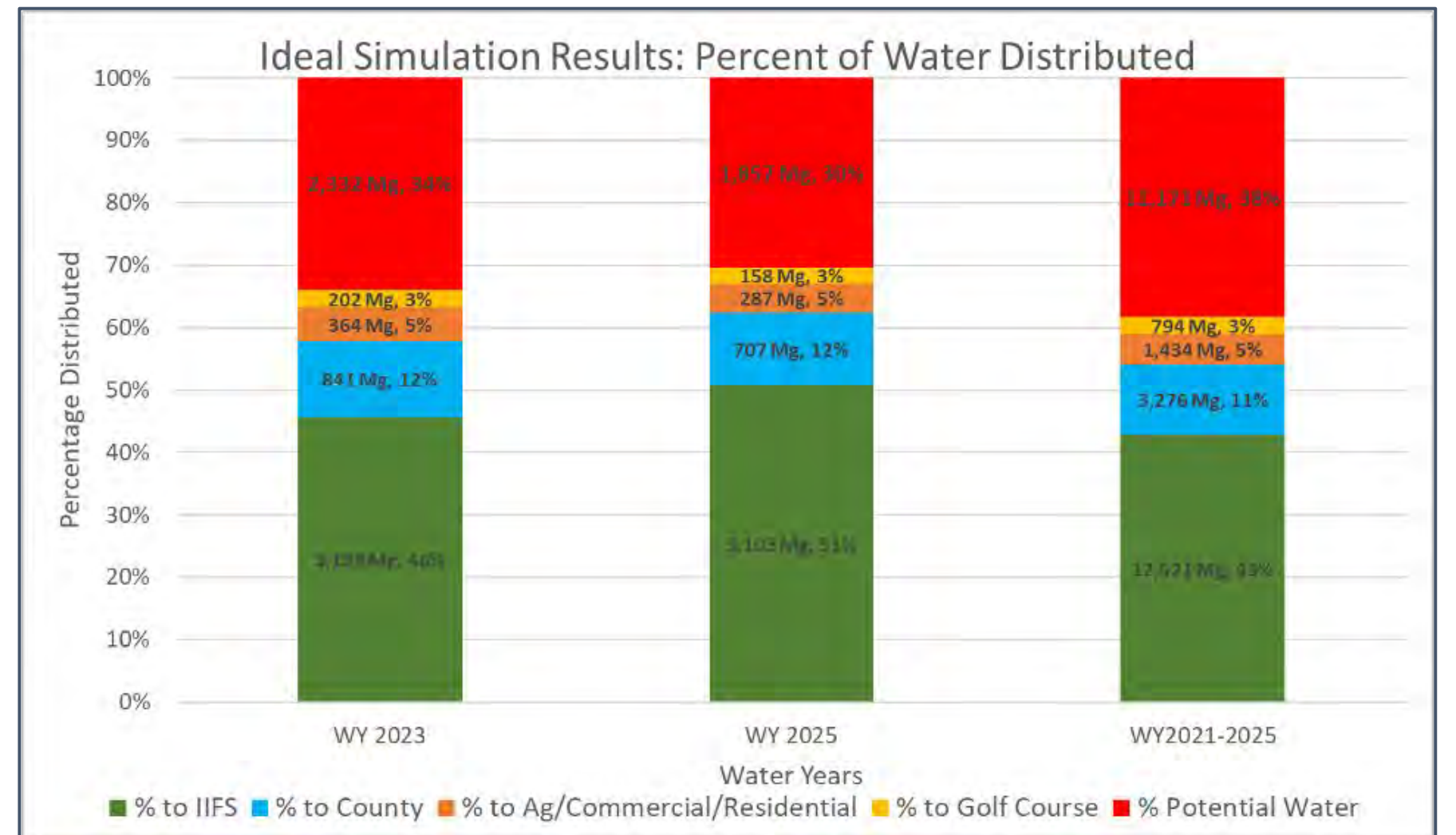
Downstream Issues

Village Reservoir

- Liners to retain water in the Village Reservoir are damaged
- Detached liner was floating in the reservoir
- This damage has resulted in water loss and irrigation system inefficiencies

Insufficient Water Storage

- In the past when multiple agribusinesses were operated in West Maui, many reservoirs captured high water flow to prepare for drier periods
- While streamflow has been declining, excess streamflow can be captured — not lost — if there is sufficient water storage



Water Issues in West Maui: Reclaimed Water (R1 Water)

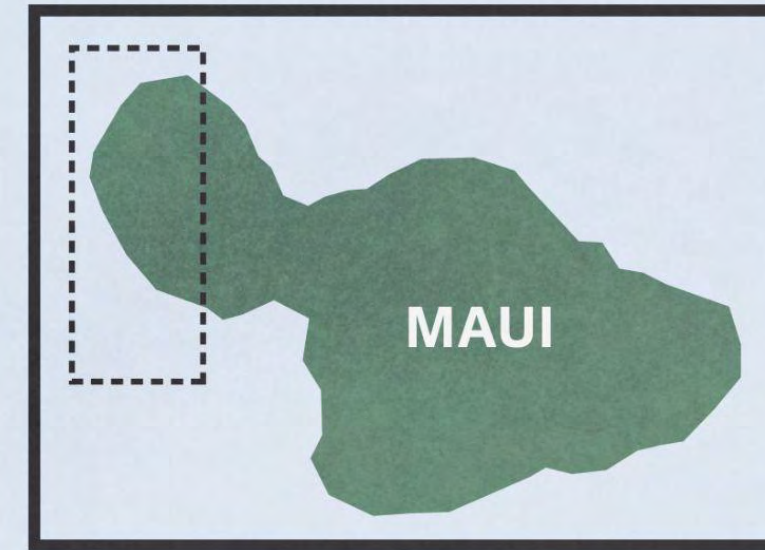
Reclaimed Water Issues

Unused Excess R1 Water

- Excess R1 water produced at the Lāhainā Wastewater Reclamation Facility has been unused in the past

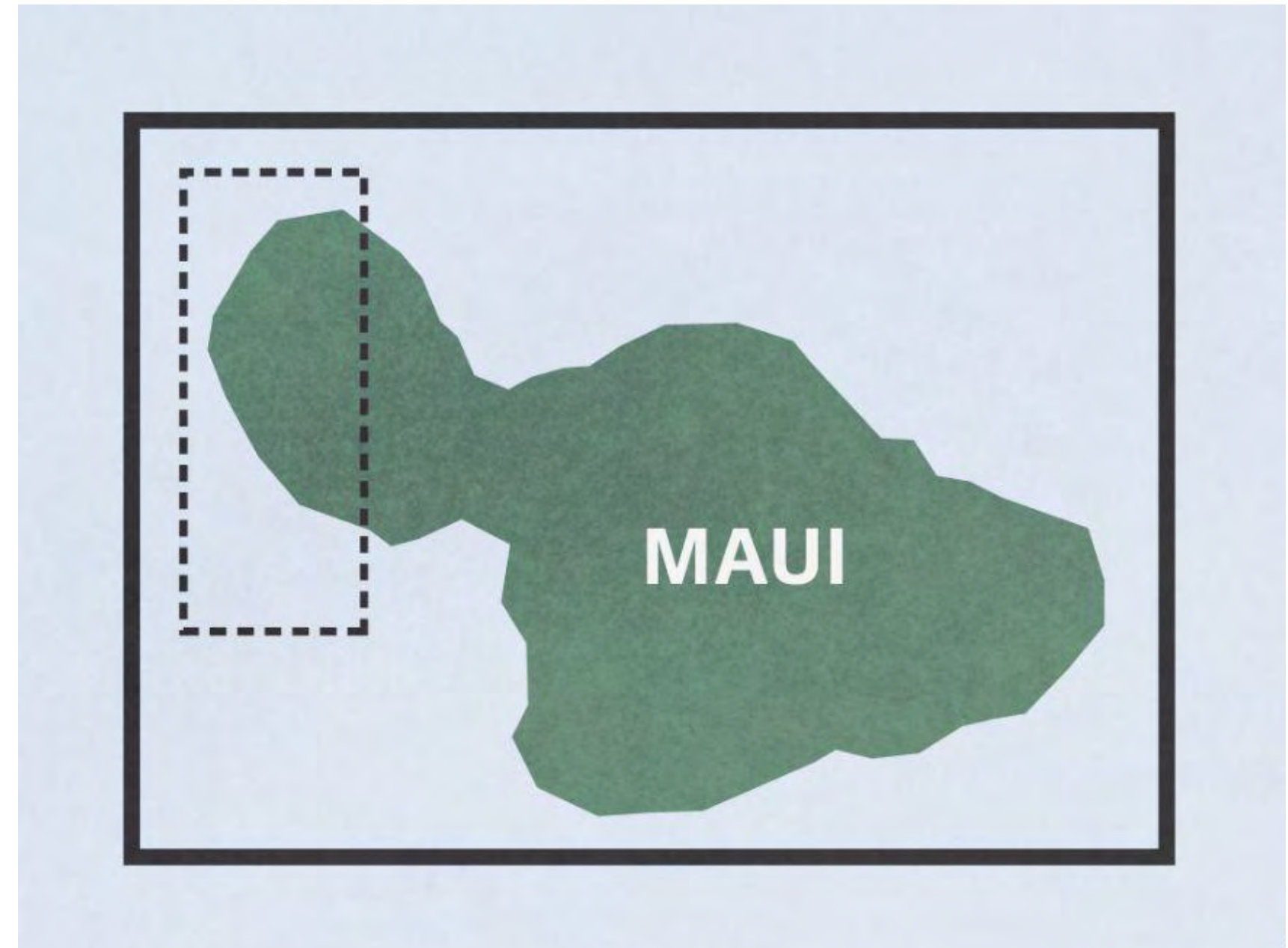
Prepare for Needed Increase in R1 Water Production

- Production of R1 water was reduced after the Lāhainā fire; however, as rebuilding continues, an increase in R1 water production is expected
- In addition, the County of Maui is currently considering using R1 water in Kā'anapali and Lāhainā



Permits and Approvals

Since CWRM designated West Maui as a Water Management Area, there has been a backlog of processing existing use permits



An underwater photograph showing a close-up view of water ripples and bubbles. The water is a deep blue-green color, and the light creates a shimmering effect on the surface. The bubbles are small and scattered, adding texture to the scene.

3 Proposed Water Solutions



Public-Private Partnership to Increase Community Water

Proposed Water Solutions: SUMMARY

To resolve water issues in West Maui and achieve the highest and best use of water and maximize reasonable and beneficial use of water, **TY would like to propose the following four solutions using a public-private partnership.**

1. Repair the Ditch
2. Increase Water Storage
3. R1 Water and Groundwater Exchange
4. Expedited Permits

Proposed Water Solutions: UPSTREAM & DITCH SYSTEM

Upstream Issues

- Development Tunnels
- Split Stream
- Dam (Aotaki Weir)
- Access Trail

Ditch System Issues

- No Disclosure of Conditions
- No Annual Maintenance Shutdown
- Six-Year-Long Violation of CWRM Order
- Continuing Water Restrictions

Proposed Solution

Repair the Ditch

- **Form a public-private partnership with Agribusiness Development Corporation (ADC)**
 - i) **Arrange acquisition of MLP's water assets**
 - ii) **Make repairs**
 - iii) **Donate water assets to ADC for public ownership and operation**
- ADC is positioned to manage the water system, grow agriculture, and supply water to the community
- TY is ready to provide funding support

Proposed Water Solutions: Introduction of Agribusiness Development Corporation

Agribusiness Development Corporation (ADC)

is one of the State of Hawai'i's agencies that focuses on ensuring continued agricultural use, public safety and food security by acquiring or transferring major plantation-era irrigation systems.

State ownership through ADC allows these systems to operate on a cost-recovery basis, modernized for safety and aligned with statewide food security and climate resilience and sustainability goals.

ADC owns and operates irrigation systems on O'ahu and Kaua'i.



Downstream Issues

- Village Reservoir
- Insufficient Water Storage

Proposed Solution

Increase Water Storage

- **Work with professionals from CWRM and the County of Maui**
 - i) **Analyze capacity for necessary water storage**
 - ii) **Identify optimum locations for storage**
 - iii) **Invest in reuse of dormant reservoirs and/or build new water storage tanks/reservoirs**
- TY is ready to provide funding support

Proposed Water Solutions: RECLAIMED WATER (R1 WATER)

Downstream Issues

- Wasted Excess R1 Water
- Prepare for Needed Increase in R1 Water Production

Proposed Solution

R1 Water and Groundwater Exchange

- **Forming a separate public-private partnership with the County of Maui, TY proposes building a transmission line and two groundwater wells to allow**
 - i) **the County to supply R1 water to TY**
 - ii) **TY to supply groundwater to the County**
 - iii) **the community to receive 2MGD of groundwater**
 - iv) **the reduction of excess R1 water by 2MGD**
- TY is ready to build a transmission line of R1 water and donate it to the County
- TY is also working on building two groundwater wells in Kapalua to prepare for any shortage in surface water until TY receives R1 water from the County

Proposed Water Solutions: PERMITS AND APPROVALS

Permits and Approvals

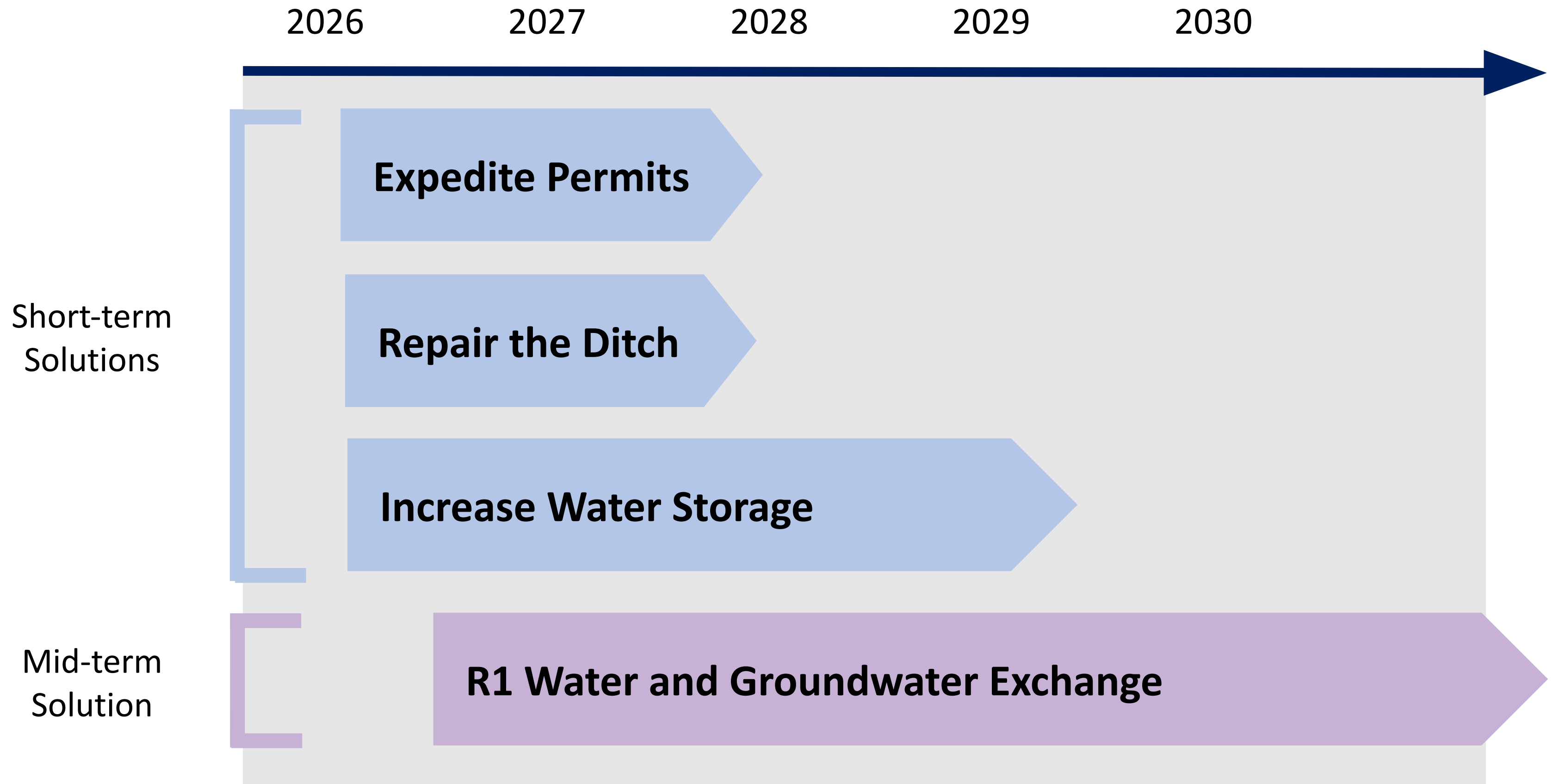
Since CWRM designated West Maui as a Water Management Area, there has been a backlog of processing existing use permits

Proposed Solution

Expedite Permits

- **TY will support bills to increase staffing for CWRM**
- **TY will work with CWRM to determine the feasibility of a third-party review system to process permits**

Proposed Water Solutions: PLANNED TIMELINE

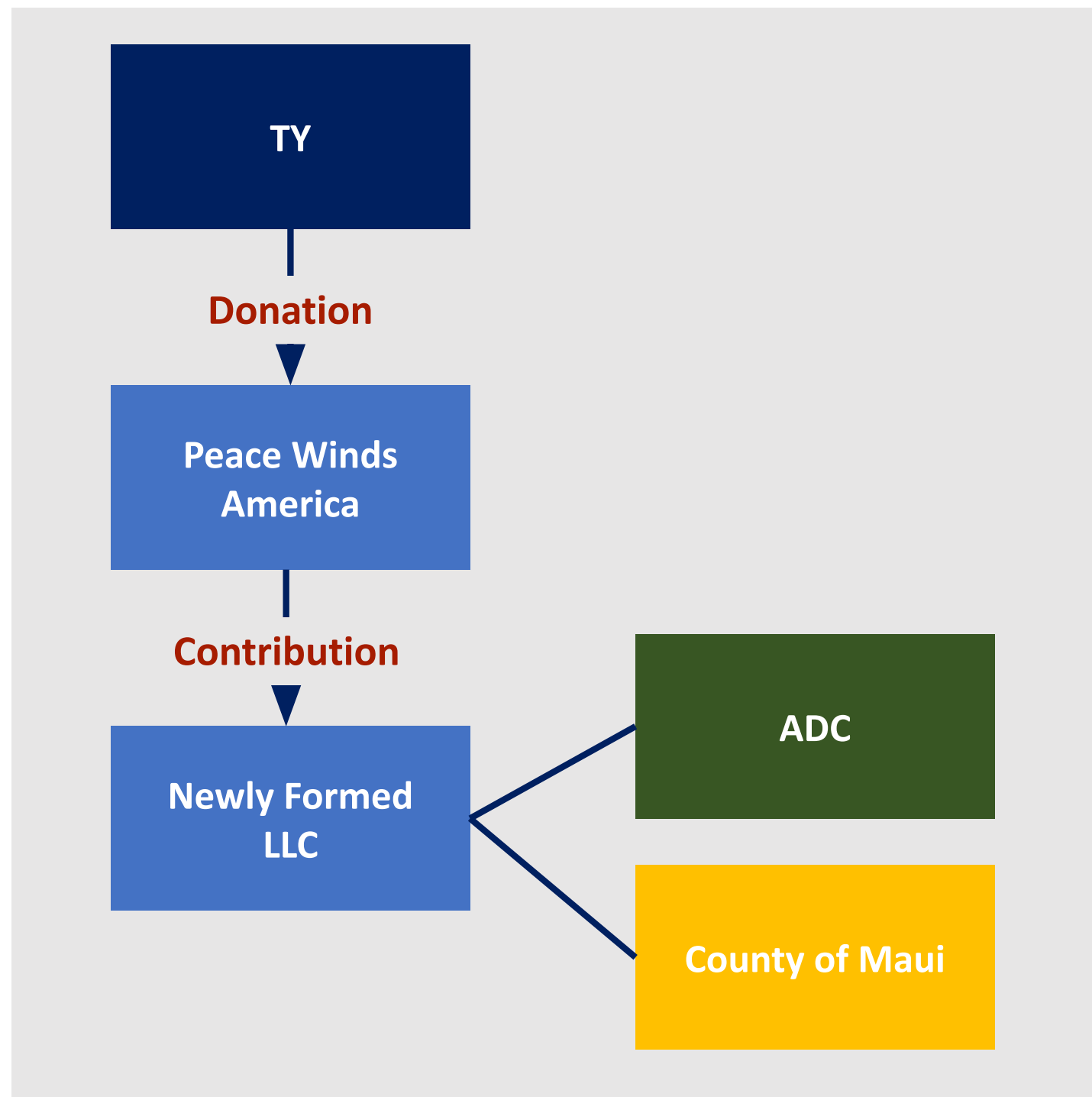




4 Proposed Work Structure

Proposed Work Structure

Structure Diagram



Role of Each Entity

- TY makes a donation to Peace Winds America (PWA), a U.S.-based non-profit organization, to fund the proposed water solutions
- PWA establishes a new LLC
- The LLC
 - i) enters into public-private partnership agreements with ADC and County of Maui *(subject to approval by ADC and County of Maui)*
 - ii) engages professionals to act quickly on the water solutions

Proposed Work Structure



Maui: Building Ohana Hope Village Playground

Peace Winds assists communities in 30+ countries facing disasters and crises.

- Has channeled approximately \$2 million for Lāhainā recovery and Maui community support since 2023
- Has a track record of operating water projects in hard-to-reach areas around the world
- Originally founded in Japan
- Represented in the U.S. by Peace Winds America, a Washington-based 501(c)(3) non-profit organization



LA Wildfires: Relief & Recovery




5 Key Takeaways

Key Takeaways

TY, which has a history of supporting the West Maui community, is proposing a public-private partnership with the State and the County to move a fully repaired and improved water system from private ownership to public ownership.

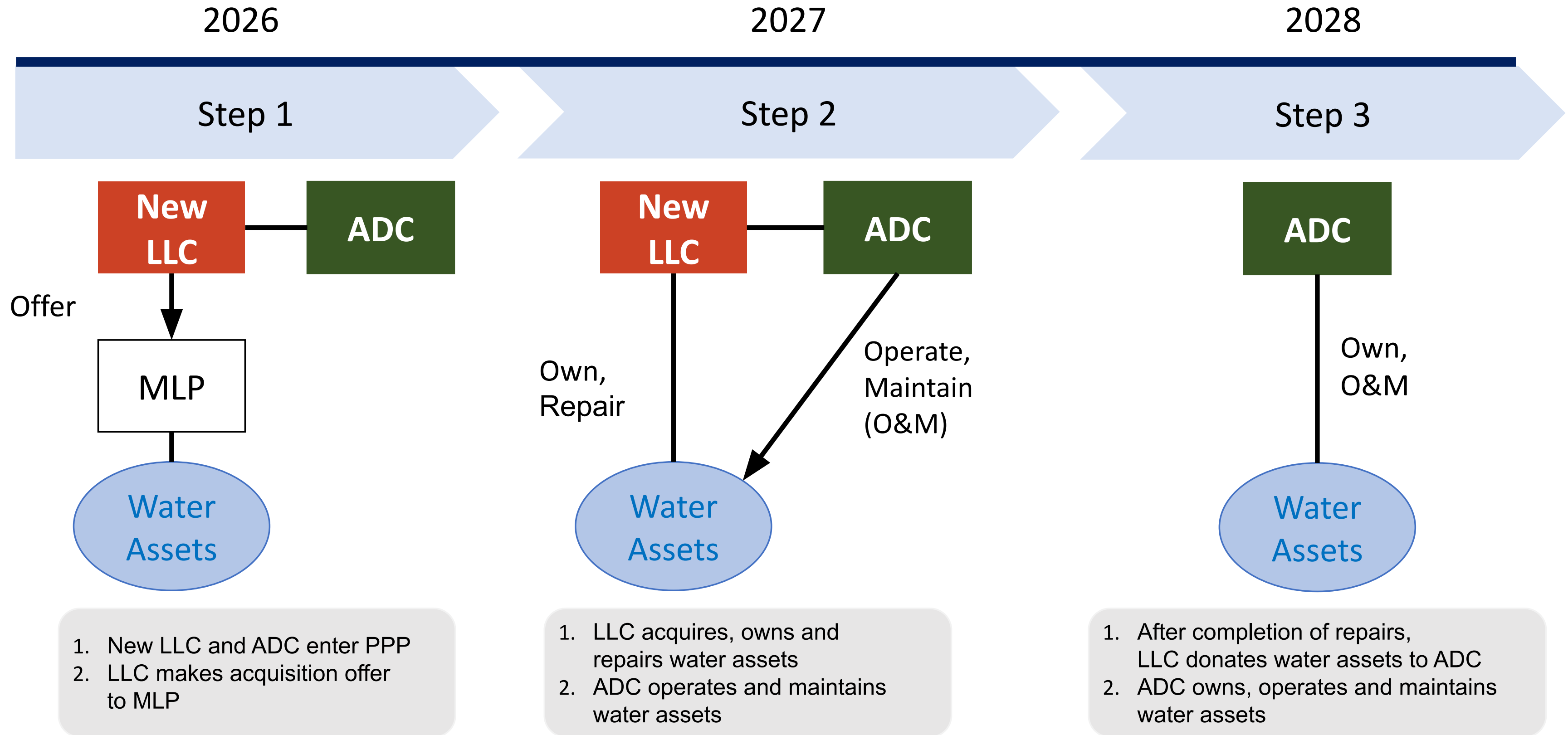
The benefits will reach across the community — for farmers, homeowners, small businesses, traditional and customary practitioners, Honokōhau Valley residents, and the overall economy of the area. This solution is also cost-efficient for taxpayers.

Low streamflow does not have to become a water crisis, as was seen in 2025. TY's proposed solutions will ensure that in the future there is water for the community.

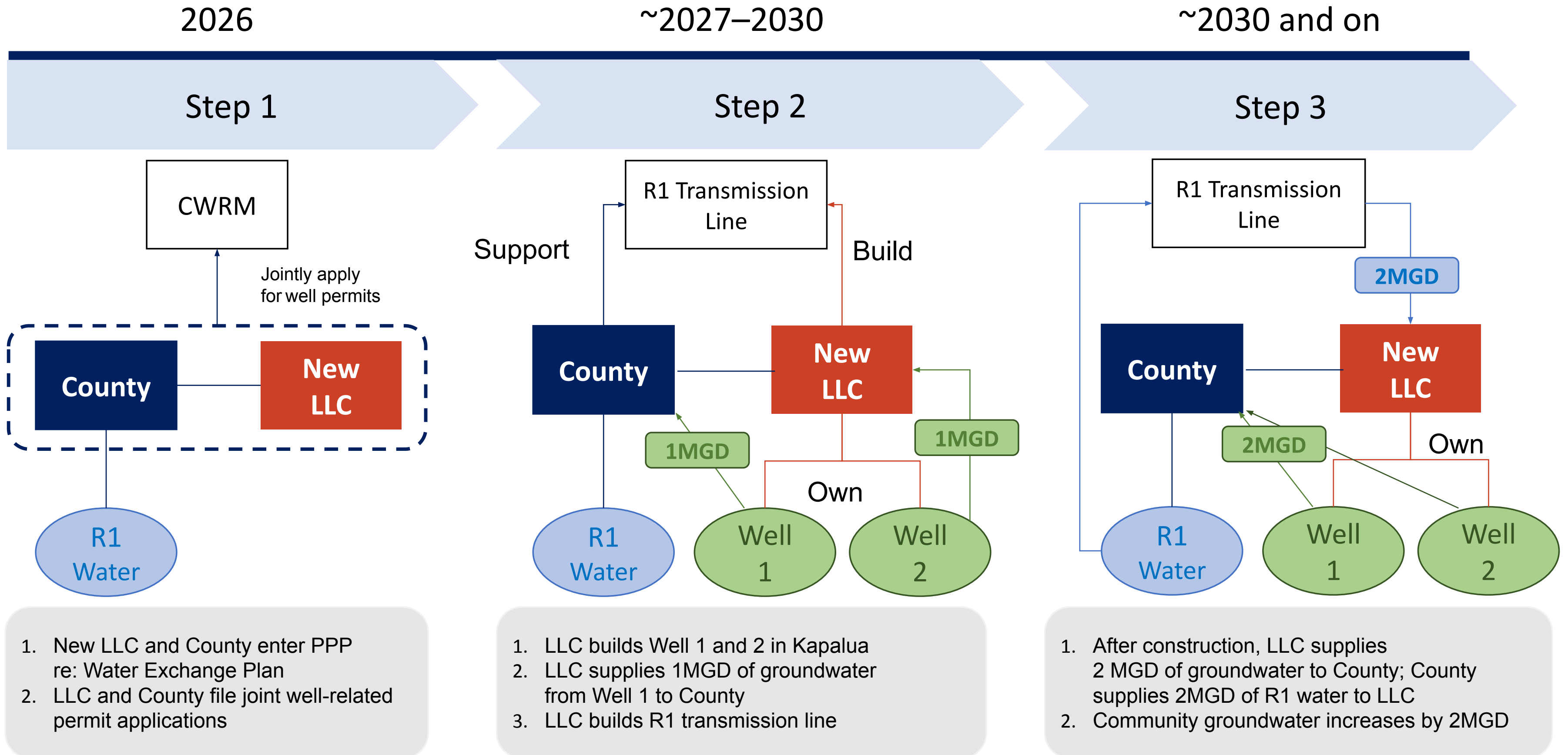


6 Appendix

Appendix: Repair the Ditch



Appendix: R1 Water and Groundwater Exchange



The background of the image is a close-up, high-angle view of teal-colored water. The water's surface is covered in a dense pattern of small, overlapping ripples and waves, creating a textured, shimmering effect. The color is a consistent, vibrant teal throughout.

Mahalo