EAST MAUI IRRIGATION COMPANY, LLC

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BLNR CONDITIONS FOR EAST MAUI WATER PERMIT
STATUS OF COMPLIANCE AS OF DECEMBER 31, 2025

CONDITIONS PER THE BLNR'S DECEMBER 13, 2024 DECISION

1. ***There shall be no waste of water. System losses and evaporation shall not be considered as a waste of water provided that system losses do not exceed 22.7%. The rate of system losses shall be calculated as the amount of water diverted or extracted into the Mahi Pono field system that is not used for diversified agriculture purposes, excluding the amount of water diverted for the County of Maui; then divided by the total amount of water diverted or extracted into the Mahi Pono field system.***

Status: All diverted water is being put to beneficial agriculture use or municipal use, as the diverted water supplies the County of Maui for its Upcountry Maui water systems, the Kula Ag Park, Central Maui fire suppression needs, municipal users who do not currently have access to the County DWS delivery system, and agricultural uses in Central Maui on lands now owned and managed by Mahi Pono. Exhibit A notes system losses and evaporation as water uses, as they are an essential element of transporting water in an agricultural ditch system to the end users.

In Q4 2025, Mahi Pono continued focusing on the maintenance and growth of its existing crops, and planting a new field. As of December 31, 2025, the planted acreage in Mahi Pono's East Maui fields totaled 12,881 acres. During this most recent quarter, EMI diverted an average of 25.95 MGD.

The Permittees – and by extension, Mahi Pono – remain committed to the efficient use of East Maui stream water. Mahi Pono's total amount of water usage, together with that of the County of Maui, will not exceed the limits of the IIFS decisions at any point during its expansion.

2. ***Any amount of water diverted under the revocable permit shall be for reasonable and beneficial uses consistent with the character of use and always in compliance with the interim instream flow standards (IIFS), as may amended from time to time by CWRM. The Permittee shall also comply***

with all other conditions required by CWRM regarding the streams that water may be diverted from under this revocable permit, including stream flow restoration and closure of diversions.

Status: See response to condition #1.

3. ***Permittee shall provide a report on the progress regarding the removal of diversions and fixing of the pipe issues before the end of the revocable permit term.***

   Status: All initial approvals of the stream diversion work permits have been received from the CWRM to abandon the diversions on the "taro streams" to fully restore their streamflow permanently, as voluntarily offered by EMI, over and above the requirements of the 2018 IIFS.

   The Permittees have also initiated discussions with CWRM staff on IIFS compliance for the 'non-taro streams' that were part of the 2018 IIFS decision. A draft work plan was submitted to CWRM for 41 diversions on 17 additional streams that are implicated by the 2018 IIFS decision. Before issuing the needed permits to undertake the work, CWRM will need to conduct site visits to each diversion site. CWRM's process of visiting each site is currently ongoing. While that process is ongoing, the Permittees comply with the IIFS decision regarding instream flow requirements (i.e., by individual streams and the total quantity of flow). This compliance is subject to CWRM staff verification. CWRM most recently verified IIFS compliance during a community site visit in June 2024, and an additional site visit in October 2024. Connectivity requirements of the IIFS decision are being met to the extent possible without the physical modifications that require governmental reviews and approvals. The draft work plan transmitted by the Permittees to the CWRM does address means of achieving full connectivity compliance for these additional non-taro streams.

   A summary of permits for remaining work related to the 2018 and 2021 IIFS has been included in the transmittal of this quarterly report.
   As to the pipe issue, this permit condition was initially imposed in 2018, and we believe it relates to a pipe at Pualoa (aka Puolua) Stream at the Lowrie Ditch. In

a previous status report, we reported that the pipe had been extended to provide wetted pathways for the movement of stream biota on Pualoa Stream. At the 2018 BLNR hearing on the subject RP's (for 2019), statements were made that the pipe needs to be extended further to go under the road and that two 4" rusted pipes needed to be removed. Accordingly (and as reported in previous quarterly reports), the two 4" pipes have since been removed from the watershed and a new design intended to improve fish migration has been incorporated in the diversion modification plan for compliance with the IIFS and approved by the CWRM in its approval of the Category 3 SDWPA. This specific scope of work was part of the overall work plan referenced earlier.

4. ***Permittee shall continue to clean up and remove debris from the areas where the streams that water may be diverted from under this revocable permit are located, and staff shall inspect and report every three months on the progress of the clean-up. For purposes of clean-up, debris shall not include any structure and equipment that is either currently used for the water diversions, or for which CWRM has not required removal; "trash and debris" shall be defined as "any loose or dislodged diversion material such as concrete, rebar, steel grating, corrugated metals, railroad ties, etc., that can be removed by hand (or by light equipment that can access the stream as is).*"**

   Status: The Permittees have established several standard operating procedures to address the cleanup of trash and debris in the license areas. Besides recognizing unnecessary debris in the field during routine maintenance tasks, EMI has conducted specific identification and removal operations of debris that has been observed from previous fieldwork. EMI continued to be vigilant about monitoring unused material. No removals occurred/were necessary in Q4 2025.

   EMI will also continue removing any equipment and excess materials it brings into the license area to perform work on the ditch system as soon as the job(s) is completed, which includes diversion modifications required to meet the 2018 IIFS.

EMI understands the term "Trash and Debris" is further defined as noted in the DLNR staff submittal. As mentioned previously, EMI has established several standard operating procedures to address the cleanup of trash and debris in the license areas. Besides recognizing unnecessary debris in the field during routine maintenance tasks, EMI has conducted specific identification and removal operations of debris that has been observed from previous field work. EMI also has a practice of removing any equipment and excess materials it brings into the license area to perform work on the ditch system as soon as the job(s) is completed. These practices continue to apply to the "Trash and Debris" term as more clearly defined by DLNR staff.

5. ***The revocable permit shall be subject to any existing or future reservations of water for the Department of Hawaiian Home Lands (DHHL);***

   Status: EMI acknowledges that the RPs shall be subject to any existing or future reservation of water for the DHHL.

6. ***The County of Maui shall coordinate with an interim committee to discuss water usage in the areas where the streams that water may be diverted from under this revocable permit are located. The committee shall consist of seven members, representing EMI/Mahi Pono, Farm Bureau, Office of Hawaiian Affairs, the Native Hawaiian Legal Corporation, the Haiku Community Association, the Sierra Club, Na Moku Aupuni O Koʻolau Hui, the County of Maui, the Department of Hawaiian Homelands, and the Aha Moku Advisory Council, and interested members of the Huelo community as determined by the County of Maui. The interim committee shall meet at least monthly. The County of Maui shall be responsible for organizing and scheduling these meetings.***

   Status: The monthly meetings of the interim RP Committee are being organized and scheduled monthly by the County of Maui. Generally, EMI provides updates on the work related to the implementation of the IIFS, and Mahi Pono supplies an update on farming operations, as outlined by the agenda provided by the County of Maui. EMI and Mahi Pono also answer any follow-up questions by the interim Committee.

7. It is an essential component to the Board's stewardship of the water resource to understand how much water is being diverted. Permittee shall therefore provide quarterly written reports to the Board of Land and Natural Resources (Board) containing (at a minimum) the following information:

a. *The amount of water actually used on a monthly basis, including the monthly amount of water delivered for: the County of Maui Department of Water Supply and the County of Maui Kula Agricultural Park; diversified agriculture; industrial and non-agricultural uses; and reservoir/fire protection/hydroelectric uses. Descriptions of diversified agricultural uses shall also provide information as to acreage, location, crop, and use of the water. Industrial and non-agricultural uses shall specify the character and purpose of water use and the user of the water.*

Status: The amount of water used on a monthly basis, including the monthly amount of water delivered for the County of Maui DWS and Kula Ag Park, diversified agriculture, industrial and non-agricultural uses, and reservoir/fire protection/hydroelectric uses can be found in the table attached as Exhibit A. The acreage, location, crop, and users of agricultural water, and the specifics on industrial and non-agricultural uses can be found in the table attached as Exhibit B.

As Mahi Pono prepares new fields for planting, they continue to install new irrigation systems that focus on efficient water application measures. In addition to these new systems, we are also installing weed mat throughout the farm, which help the soil maintain moisture by reducing evaporation. Compared to prior years, the cumulative water efficiency effects of these initiatives can be seen in the proportionate reduction in the amount of water remaining in the final column of the table attached as Exhibit A.

b. *The estimated amount of water required for each crop per acre per day for the previous quarter and how much water is projected to be required per acre per day for the forthcoming quarter.*

Status: The chart attached as Exhibit C shows the average amount of daily irrigation applied to each crop during each quarter. The chart also shows the projected total water demand for each crop in the forthcoming quarter (see third column, "*Total Crop Requirement"*). Each crop's total water demand is met through a combination of irrigation and rainfall, and affected by multiple factors including weather patterns across the farm, so the quarterly projection is expressed as a total water demand figure. These figures are sourced from the environmental impact statement accepted by the Board in 2021.

c. *The report shall disclose which structures on or next to streams have been removed, which ones have been modified, which ones remain to be modified, what remains to be done before they are modified, what impediments exist to their modification, what agencies need to give their approval before modifications can be made, when the Permittee made requests to the applicable agencies for approval and when the modifications are expected to be completed.*

Status: EMI prioritizes its compliance with the CWRM order and has been working with CWRM staff on implementation plans and permitting. EMI notes that the language of the CWRM order relating to the removal of artificial structures is spelled out on page 269 of the D&O, items i, j, and k which State in part that *"it is intended that diversion structures only need to be modified to the degree necessary to accomplish the amended IIFS and to allow for passage of stream biota, if needed"* and "*the intent of the Commission is to allow for the continued use and viability of the EMI ditch system and will not require the complete removal of diversions unless necessary to achieve the IIFS.*" A status update is provided in a separate supplemental chart submitted with this Q4 2025 quarterly report.

d. *Update on removal of trash, unused man-made structures, equipment, and debris that serve no useful purpose, including photographs and documenting any reports of such items that Permittee has received from the Department, other public or private entities and members of the general public and the action(s) taken by Permittee, if any, to remove the reported items.*

Status: See above response to #4 above.

e. *A listing of all reservoirs in the A&B/EMI water system serviced by the revocable permit, with the following information provided for each:*

The capacity of each such reservoir;

The surface area of each such reservoir;

What fields are irrigated by each such reservoir;

Which reservoirs are lined, and with what material, and which are not;

The estimated amount of evaporation per day from the surface of each such reservoir;

An analysis of the cost and time to line at least one such reservoir;

Information on any reservoirs planned to be taken out of service;

The depth and volume of water in each reservoir (as of the last day of each month);

How long it would take on average for each full reservoir to be emptied if now water were to flow into or be deliberately

removed from it (i.e. how long until evaporation and seepage drains it); and

The amount of water used for hydroelectric purposes, if any.

Status: A table containing most of the information requested above is attached as Exhibit D. Evaporation estimates are based on actual reservoir water levels during Q4 2025, with the figures being displayed in gallons per day.

In addition to the information in Exhibit D, we previously determined an estimated unit cost in 2022 of $7.00 per square foot (sloped) to line a reservoir, plus estimated engineering costs typically being between $30k - $60k per reservoir. Adjusting for CPI, it is assumed that the current estimated unit cost is $8.17 per square foot as of Q4 2024. If we apply these costs to a reservoir with a 10-acre surface area and assumed slope adjustment of 25%, then the resulting estimate would be approximately $4.45M.

f. *The number, location, timing, and approximate acreage of fires fought during the quarter using water from reservoirs supplied with water from the A&B/EMI system.*

Status: There were zero fires fought during Q4 2025 using water from reservoirs supplied with water from the EMI system.

g. *The names and locations of the reservoirs from which water was drawn to fight fires during the quarter:*

Status: No water was used for firefighting purposes during the quarter.

h. *A listing of all irrigation wells in the A&B/EMI water system serviced by the RPs, with the water levels and chloride levels in each well that is in active use noted.*

Status: In Q4 2025, Wells 2, 3, 4, 9, 12 and 13 were in active use. Chloride levels measured during the quarter are provided below:

- *Well #2*
  - *pH – 7.7*
  - *Sodium – 205 mg/L*
  - *Water Level – 36 Inches*

- *Well #3*
  - *pH – 7.9*
  - *Sodium – 115 mg/L*
  - *Water Level – 65 Inches*

- *Well #4*
  - *pH – 7.8*
  - *Sodium – 276 mg/L*
  - *Water Level – 41 Inches*

- *Well #9*
  - *pH – 7.9*
  - *Sodium – 172 mg/L*
  - *Water Level – 30 Inches*

- *Well #12*
  - *pH – 7.5*
  - *Sodium – 156 mg/L*
  - *Water Level – 26 Inches*

- *Well #13*
  - *pH – 7.5*
  - *Sodium – 195 mg/L*
  - *Water Level – 24 Inches*

Each quarterly report shall be submitted in a format with tracked changes that clearly show the differences/updates from the prior quarter.

Such quarterly reports shall be "due" to the DLNR one month after the last calendar day of the subject quarter. Thus, the reports shall come due as follows:

Q1 Report – April 30, 2025
Q2 Report – July 31, 2025
Q3 Report – October 31, 2025
Q4 Report – January 30, 2026

Status: This Q4 2025 report is the third to be submitted with changes tracked after the re-numbering of conditions. The deadline to submit quarterly reports is noted, and EMI is committed to timely submittals of all future reports.

8. ***In addition to the quarterly report, the Permittee shall provide monthly reports containing at minimum, the Permittee's monthly water use amounts and the total planted acreage.***

   Status: EMI/Mahi Pono has provided and will continue to submit monthly water usage reports, including the total planted acreage.

9. ***Require Permittee to advise any third-party lessees, that any decisions they make are based on these month-to-month revocable permits for water unless or until a license is issued.***

   Status: All third-party lessees have been informed through existing language in their lease agreements that the availability of water is subject to change based on various conditions, one of which would be the nature of the water availability from East Maui through an annually renewed revocable permit or an eventual permanent lease.

10. Permittee shall cooperate with CWRM and the Department's Division of Aquatic Resources (DAR) in facilitating studies, site inspections and other actions as necessary to address the streams that water may be diverted from under this revocable permit.

Status: EMI continues to be in contact with CWRM personnel regarding site visits to evaluate diversions that weren't covered by the 2018 D&O. Such site visits most recently occurred in Q2 2024, related to the amendment of the Huelo Streams IIFS passed by CWRM in 2022. CWRM field staff conducts these site visits on a stream-by-stream basis. EMI has previously contacted DAR and has expressed willingness to cooperate with any DAR activities related to the DAR work on streams outside the license area. Permittees also note that the 2024 RP allows for the development, diversion, and use of water only; there was no disposition of the land area covered by the prior revocable permits. As noted in the December 2023 staff submittal, the agreement between the Territory of Hawaii and EMI ("1938 Agreement") provides EMI a perpetual easement from the Territory to convey all water covered by any water license held by EMI through the portions of the "aqueduct" crossing government lands situated in East Maui extending from Nahiku to Honopou inclusive. Because the existing aqueduct system is already covered by the easement in the 1938 Agreement, there was no need for an additional land disposition. Accordingly, DAR has full access to the area.

11. Permittee shall work with CWRM and DOFAW to determine whether there are alternatives to diversion removal that effectively prevent mosquito breeding and can be feasibly implemented. Permittee shall include the status of alternatives in its quarterly reports.

Status: EMI has worked with CWRM in the context of the earlier discussion with DOFAW regarding diversion structures that can impede free flow of water and create habitat for mosquito breeding. Considerable evaluation and analysis have been conducted by the CWRM and EMI on nine "Category 1" diversions regarding additional work to be done on these diversions to mitigate these and other issues. CWRM has met with stakeholders to discuss this plan, and CWRM staff presented a proposed mitigation plan which was approved at CWRM's

January 30, 2024 meeting. This plan calls for additional removal of stream diversion structures. Permittees are working with consultants to obtain the necessary approvals/sign offs from the State Historic Preservation Division and the County of Maui Planning Department, which are required before work can begin. Other regulatory agency reviews/approvals, including the Army Corps of Engineers and the Office of Conservation and Coastal Lands, will be needed once those two agencies sign off.

12. If the Board finds that a use of water is not reasonable and beneficial and does not comply with the permitted uses, Permittee shall cease such use within a timeframe as determined by the Department.

Status: EMI remains willing to comply with this requirement and stands ready to assist the Board in any way it can regarding this matter.

13. For water used for agricultural crops, Permittee is to estimate how much water is required for each crop per acre per day.

Status: Water requirements for each crop is highly dependent on several factors, including soil composition, weather, and the maturity of the crop itself. That said, the average water requirements for Mahi Pono's agricultural crops at full maturity are estimated to be as follows:

- Orchard Crops - 5,089 gallons per acre per day
- Row Crops - 3,392 gallons per acre per day
- Tropical Fruits - 4,999 gallons per acre per day
- Energy Crops - 3,392 gallons per acre per day

These estimates are consistent with the estimated water requirements contained in Table 3 of Appendix I (Agricultural and related Economic Impacts) of the EIS. The average water requirements listed above are reflective of the crops' collective water needs (irrigation & rainfall) at full maturity. This differs from the reported irrigation average, which is reflective of the irrigation consumption (excluding rainfall) of immature crops.

14. Permittee shall look into supplying the Maui Invasive Species Committee with water, and if feasible, and despite it not being an agricultural use, this would be considered a reasonable and beneficial and permitted use under the revocable permit.

Status: EMI/Mahi Pono have successfully provided MISC with water to support their operations starting in Q1 2023. In Q2, EMI successfully installed a meter on the pipeline supplying MISC with water. The total amount of water used by MISC between October 2025 – January 2026 was 26,000 gallons, and the Q4 2025 portion of this use is accounted for in the "*Other*" column in Exhibit A.

15. No later than August 1, 2025, Permittee shall provide an updated plan to reduce system losses including planned system upgrades, specific measures to more efficiently use water, proposed implementation timeline, and estimates on the amount that system losses may be reduced.

Status: A separate report summarizing EMI's and Mahi Pono's water efficiency efforts was submitted with the Q2 2025 quarterly report in compliance with this condition. The measures implemented by EMI and Mahi Pono have been working. For the first half of 2025, the average amount of system losses was less than 11%, which is well below the 22.7% system loss rate deemed acceptable by both the BLNR and CWRM. In fact, Mahi Pono's system losses are often less than the reported system losses of many potable municipal systems. This level of efficiency is due to Mahi Pono's investment in efficient water use on-farm. Mahi Pono remains committed to the efficient use of water and plans to continue with these effective efforts.

16. Based on the 2018 CWRM Decision and the information presented here, the Board determines that reasonable beneficial use for diversified agriculture to Applicant under a month-to-month revocable permit on 30 days' notice is 3263 gpad.

Status: EMI/Mahi Pono remains compliant with this condition.

17. As a condition to the permit, the Permittee shall provide no more than 5.25 mgd, averaged monthly, to the County of Maui daily, which is the amount the Board finds to be the reasonable and beneficial allocation of water.

Status: EMI and the County of Maui remain compliant with this condition.

18. Therefore, the total amount of water allocated under this revocable permit shall be:

- ***The amount of water equal to 3263 gallon per acre a day multiplied by the total amount of planted acreage to be used by the Permittee for diversified agriculture and other existing uses, averaged annually less 1 million gallons per (mgd) day and:***
- ***5.25 mgd to the County of Maui Department of Water Supply for the Kamole Treatment Plant and the County of Maui Kula Agricultural Park on a monthly average.***

Status: See responses to conditions #16 and #17.

EXHIBIT A – MONTHLY WATER USAGE

All Figures in Millions of Gallons per Day ("MGD")

Month	*East Maui Surface Water @ Honopou*	*East Maui Surface Water @ Maliko*	*East Maui Surface Water Gained from Area Between Honopou and Maliko*	*Groundwater Pumped on-Farm*	*County of Maui DWS* [1]	*County of Maui Ag Park* [2]	*Diversified Agriculture* [3]	*Historic / Industrial Uses* [4]	*Reservoir / Seepage / Fire Protection / Evaporation / Dust Control / Hydroelectric* [5]	
									Diverted Reserve to meet Contractual Obligation to County DWS & Ag Park [6]	*Other* [7]
January	31.28	33.35	2.07	11.54	2.18	0.55	34.64	0.06	2.52	4.93
February	21.04	23.42	2.38	7.10	2.88	0.38	24.09	0.06	1.99	1.12
March	23.58	26.15	2.56	11.97	2.85	0.51	31.20	0.06	1.89	1.60
April	27.37	29.48	2.11	12.78	2.74	0.52	34.17	0.06	1.99	2.78
May	25.94	28.34	2.40	16.48	2.58	0.52	39.26	0.07	2.15	0.24
June	24.65	25.38	0.73	25.98	3.71	0.61	40.77	0.07	0.93	5.27
July	35.60	35.94	0.33	15.57	3.03	0.67	44.89	0.06	1.55	1.30
August	14.46	14.68	0.22	25.39	4.57	0.59	32.81	0.07	0.09	1.94
September	8.25	10.37	2.12	29.66	5.53	0.56	33.54	0.06	-0.83	1.18
October	12.04	13.12	1.08	24.11	4.13	0.71	29.56	0.06	0.41	2.37
November	41.76	42.49	0.73	5.29	2.57	0.50	35.26	0.06	2.18	7.22
December	24.04	24.53	0.49	16.15	2.89	0.33	30.86	0.05	2.03	4.52
Average	**24.17**	**25.60**	**1.44**	**16.84**	**3.30**	**0.54**	**34.25**	**0.06**	**1.41**	**2.87**

1. The numbers in this column are based on reports received from the County of Maui and have not been independently verified by EMI.

2. The numbers in this column are based on reports received from the County of Maui and have not been independently verified by EMI.

3. The numbers in this column are primarily comprised of Mahi Pono's water use for diversified agriculture, as well as the other agricultural uses described in Exhibit B of the quarterly RP reports.

4. Historical/Industrial Uses are non-HC&S uses that have historically relied on water from the EMI Ditch System, even after the closure of HC&S. These include uses by entities located either adjacent to or within the boundaries of the farm and are further described in Exhibit B. Mahi Pono installed meters

in March 2022 thus, starting with the Q2 2022 report, the figures reported in this column will reflect actual usage based on those meters. As previously mentioned, HC&D's water usage is no longer accounted for in this column as HC&D is obtaining water from its own well.

5. The numbers in these columns include water not separately accounted for in the columns to the left. The water in on-farm reservoirs is available for use by the County of Maui against brush fires, the risk of which has increased due to the reduction of the irrigated acreage following the cessation of sugar cultivation but is decreasing as Mahi Pono continues to implement its farm plan. Seepage and evaporation inherent to an agricultural ditch system are also included in this column. The water used by the Mahi Pono hydroelectric system is non-consumptive and is returned to the ditch after being used to generate clean energy. The water is re-used consumptively by one of the other uses, or if there is no reuse, ends up in the reservoirs.

6. The Board has limited the amount of water that may be made available to the County to 5.25 MGD, averaged monthly. The numbers in this sub-column reflect the portion of the 5.25 MGD that is made available to the County every day, that the County does not use (i.e., 5.25 MGD less the sum of the amounts used by the County DWS at Kamaole Weir and Ag Park). Water that is not used by the County remains in the Ditch System, is transported to Central Maui and any excess is directed to reservoirs located on the former plantation. The negative number in this column for the month of September indicates that the County's total use (i.e., the amount used by the County DWS at Kamole Weir and Ag Park) exceeded the 5.25 MGD monthly allocation. Mahi Pono provided notice to the County of this overage.

7. The numbers in these columns reflect the amount of water not separately accounted for in the columns entitled "County of Maui DWS," "County of Maui Ag Park," "Diversified Agriculture," and "Historic/Industrial Uses" less the reserve needed to meet EMI's contractual obligations to the County of Maui. As has been explained in the past, EMI/Mahi Pono cannot rely on receiving any specific amount of the water provided to the County of Maui to meet the contractual obligations to the County DWS and Kula Ag Park that is not actually consumed by the County ("DIVERTED RESERVE") for the purposes of planning to meet the irrigation needs of Mahi Pono's crops. The amount is unpredictable and unreliable; however, EMI and Mahi Pono do make an effort to use the Diverted Reserve for crop irrigation when feasible.

EXHIBIT B – WATER USAGE SPECIFICS

Diversified Agriculture Use

Entity	Crop	Field	Acreage
Mahi Pono	Macadamia	205	122
Mahi Pono	Citrus	206	200
Mahi Pono	Macadamia	208	73
Mahi Pono	Citrus	209	351
Mahi Pono	Forage Crops	213	107
Mahi Pono	Citrus	300	338
Mahi Pono	Coffee	301	273
Mahi Pono	Coffee	302	6
Mahi Pono	Citrus	303	161
Mahi Pono	Citrus	306	271
Mahi Pono	Coffee	308	114
Mahi Pono	Coffee	309	263
Mahi Pono	Coffee	310	369
Mahi Pono	Citrus	311	150
Mahi Pono	Avocado	404	166
Maui Best (Tenant)	Sweet Potato	408	281
Maui Best (Tenant)	Sweet Potato	409	180
Mahi Pono	Citrus	500	273
Mahi Pono	Citrus	501	83
Mahi Pono	Citrus	502	290
Mahi Pono	Citrus	503	144
Mahi Pono	Citrus	504	294
Mahi Pono	Citrus	505	240
Mahi Pono	Citrus	506	157
Mahi Pono	Citrus	507	189
Mahi Pono	Citrus	508	183
Mahi Pono	Avocado	508B	213
Mahi Pono	Citrus	509	79
Mahi Pono	Citrus	510	181
Mahi Pono	Citrus	511	161
Mahi Pono	Citrus	512	132
Mahi Pono	Macadamia	600	380
Mahi Pono	Citrus	601	221
Mahi Pono	Citrus	602	196

EXHIBIT B – WATER USAGE SPECIFICS (Continued)

Diversified Agriculture Use

Mahi Pono	Citrus	603	262
Mahi Pono	Citrus	604	343
Mahi Pono	Citrus	605	394
Mahi Pono	Citrus	606	134
Mahi Pono	Mixed	608	70
Mahi Pono	Forage Crops	608	82
Mahi Pono	Row Crops	608	44
Mahi Pono	Forage Crops	609	79
Mahi Pono	Citrus	610	40
Mahi Pono	Macadamia	611	253
Mahi Pono	Citrus	701	269
Mahi Pono	Citrus	702	232
Mahi Pono	Citrus	703	150
Mahi Pono	Citrus	704	214
Mahi Pono	Citrus	705	55
Mahi Pono	Row Crops	706	160
Mahi Pono	Forage Crops	707	40
Mahi Pono	Citrus	708	299
Mahi Pono	Forage Crops	717	60
Mahi Pono	Citrus	800	122
Mahi Pono	Citrus	801	281
Mahi Pono	Citrus	803A	127
Mahi Pono	Pongamia	803B	32
Mahi Pono	Avocado	803C	6
Mahi Pono	Citrus	805	268
Mahi Pono	Coffee	807	120
Mahi Pono	Mixed	807	39
Mahi Pono	Citrus	808	158
Mahi Pono	Citrus	809	251
Mahi Pono	Citrus	809X	72
Mahi Pono	Citrus	813	448
Mahi Pono	Citrus	814	342
Mahi Pono	Citrus	818	266
Mahi Pono	Citrus	901A	45
Mahi Pono	Citrus	911	82
Mahi Pono	Citrus	911B	201
TOTAL			***12,881***

EXHIBIT B – WATER USAGE SPECIFICS (Continued)

Historic / Industrial Uses

Water Users	Source/Delivery Point	Water User's Location	Relationship to EMI / A&B / Mahi Pono	Use
Tenant of County Central Maui Landfill	Pumped from Haiku Ditch	3-8-003-019	Gov't Tenant	General Use for Compost Operation
New Leaf Ranch (Non-Profit)	702 Cistern	3-8-006-029	Tenant	Irrigation water for non-profit providing ag-related work opportunities and training as mental health & substance use dependency treatment
Costo Maddela	Haiku Ditch	3-8-001-001	Tenant	Pasture & Animal Water

EXHIBIT C – GPAD by Crop

Crop	Acreage	Total Crop Water Requirement in GPAD* (per ES)	Applied Water**												AVG Applied Water by Crop in GPAD (Q1)	AVG Applied Water by Crop in GPAD (Q2)	AVG Applied Water by Crop in GPAD (Q3)	AVG Applied Water by Crop in GPAD (Q4)
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC				
			GPAD	GPAD	GPAD	GPAD	GPAD	GPAD	GPAD	GPAD	GPAD	GPAD	GPAD	GPAD				
Macadamia	828	5,089	3,107	2,287	2,234	2,999	4,733	4,250	3,786	4,060	4,183	2,755	2,249	2,138	2,543	3,994	4,010	2,381
Citrus	9,349	5,089	2,754	1,996	2,556	2,754	3,037	3,196	3,497	2,802	2,550	2,435	2,765	2,496	2,435	2,996	2,990	2,565
Forage Crops	368	1,161	4,673	1,449	7,546	5,127	4,392	3,711	6,830	4,250	4,952	3,312	2,200	2,577	4,556	4,410	5,344	2,696
Coffee	1,145	5,089	3,935	1,613	2,414	2,304	2,847	2,931	3,478	2,534	1,105	1,767	3,892	2,284	2,654	2,694	2,372	2,648
Avocado	385	4,999	5,046	3,102	1,630	2,087	2,092	3,188	2,346	3,131	1,118	2,161	3,145	1,477	3,259	2,456	2,198	2,261
Sweet Potato	461	3,392	2,379	2,402	2,169	2,169	2,239	2,169	2,169	2,169	1,260	245	1,518	980	2,317	2,193	1,866	914
Mixed	109	3,392	1,457	1,685	2,141	2,753	3,474	1,108	2,373	4,292	6,783	4,212	2,826	2,263	1,761	2,445	4,482	3,100
Row Crops	204	3,392	2,395	1,903	1,958	5,269	5,308	2,994	3,075	2,297	901	182	3,118	4,328	2,085	4,524	2,091	2,543
Pongamia	32	3,392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE / TOTAL	12,881	3,888	2,861	1,826	2,516	2,829	3,125	2,616	3,061	2,837	2,539	1,897	2,413	2,060	2,401	2,857	2,813	2,123

*Comprised of total plant needs from all sources, including rain and irrigation.

**GPAD figures in BLUE are IRRIGATION-ONLY figures, and are NOT representative of total plant needs.

EXHIBIT D – RESERVOIR INFORMATION

				Jan	Jan	Feb	Feb	Mar	Mar	Apr	Apr	May	May	Jun	Jun	Jul	Jul	Aug	Aug	Sep	Sep	Oct	Oct	Nov	Nov	Dec	Dec				
Reservoir No.	Tax Map Key	Capacity Million Gallons	Surface Area Acres	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Depth (Ft)	Volume (MG)	Fields Feed by Reservoir	Lined	Estimated Evaporation Rate	Estimated Time for Full Reservoir to be Emptied by Seepage or Evaporation (Days)
14	2-5-04:39	9.50	1.50																									100; 101	No		
15	2-5-04:39	8.30	1.10																									101	No		
20	2-5-03:10	48.80	10.20																									312; 314	No		
21	2-5-04:39	18.60	6.90																									111; 113; 200	No		
22	2-5-03:10	43.80	10.60																									201; 202	No		
24	2-5-03:10	15.00	3.60																									201	Yes		
25	2-5-03:09	40.20	9.70																									205	No		
30	2-5-03:01	21.00	9.00																									300; 312	No		
33	2-5-02:02	46.50	8.00	20.0	23.9	0.0	0.0	12.0	7.4	10.0	4.6	17.0	17.3	16.0	15.1	19.5	23.4	14.0	11.0	10.0	4.7	20.0	24.7	17.5	18.5	14.0	11.0	304; 304; 313	No	28,802	361
40	2-5-02:01	62.80	13.50																									410; 400; 401; 413 (County Use)	No		
42	2-5-02:01	10.40	3.20	20.0	7.6	9.0	0.8	12.0	1.6	14.5	3.1	6.0	0.2	12.0	2.0	16.0	4.6	10.0	1.2	0.0	0.0	14.0	3.1	0.0	0.0	6.0	0.2	400; 401; 403	No	10,103	26
52	3-8-03:04	74.00	20.00																									504; 511	No		
60	3-8-01:06	80.50	20.80																									600; 611	No		
61	3-8-01:01	53.10	9.00	5.5	4.7	0.0	0.0	9.5	13.0	10.5	15.8	13.0	23.4	9.0	11.7	10.5	15.1	12.0	20.3	13.5	25.2	13.0	23.4	7.0	7.2	9.5	13.0	604	No	31,423	57
70	3-8-01:01	19.30	5.00																									Mud Pile 710	No		
80	3-8-03:02	41.10	12.00																									800; 801	No		
81	3-8-04:22	36.70	13.80	12.5	20.9	12.0	19.1	12.5	20.9	10.0	14.5	9.0	10.3	12.0	19.4	10.0	13.1	8.0	7.6	10.0	13.1	9.0	10.3	12.0	19.4	8.5	8.9	803 805 808 809	No	44,454	51
82	3-8-04:22	17.90	7.40																									810; 811; (812; 815; 816; 818; 819; 822; 823; Res. Ditch)	No		
84	3-8-03:02	35.10	8.00																									701; 702; 703; (807; 813; 814; Res. Ditch)	No		
90	3-8-08:05	45.00	15.80	11.5	12.3	12.0	14.8	10.5	9.8	8.0	7.0	11.0	12.0	11.5	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	7.6	7.0	7.0	737; 761; 915; 917	No	56,862	270
Haiku	(2)2-7-003:055 & 081	57.9	27.30																									Haiku Ditch	No		
Pauwela	(2)2-7-003:030 & 056/2-7-008:038	32.5	6.80																									Haiku Ditch	No		
Peahi	(2)2-8-002:018	22	5.80																									Haiku Ditch	No		
Kapalaalaea	(2)2-8-007:001	49.7	8.70	DECOMMISSIONED																								Haiku Ditch	No		
Papaaea	(2)2-9-014:004	42.5	9.00																									Center Ditch to Lowrie Ditch	No		
9	2-5-004:039	1.00	NA																									110	No		
10	2-5-004:039	9.50	NA																									116	No		
12	2-5-004:039	9.00	6.70																									109	No		
23	2-5-005:019	13.70	NA																									200	Yes*		
26	2-5-005:019	10.10	NA																									208	No		
29	2-5-005:019	9.90	NA																									213	No		
31	2-5-003:031	5.10	NA																									303	No		
32	2-5-002:002	9.80	NA																									304	No		
34	2-5-003:010	8.10	NA																									306	No		
35	2-5-002:002	15.00	5.40																									310; 311; 505	No		
41	2-5-002:001	8.90	NA																									402; 404	No		
43	2-5-001:001	13.50	4.00																									409; 404	No		
44	2-5-001:008	3.60	NA																									Above 417;	No		
45	2-5-001:008	4.20	NA																									415; 414; 418	Yes		
50	3-8-003:005	8.40	NA																									209; 500; 507; 508	No		
51	3-8-003:004	15.20	NA																									502; 505	No		
83	3-8-004:002	6.40	4.70																									817; 821	No		

Not all reservoirs are currently in use.
*Reservoir 23 was lined with concrete/rubber. Lining is currently deteriorated.
**Kaupakalua decommissioned in 2022/2023.
***Kapalaalaea decommissioning project completed in 2024
****Evaporation rate is the average gallons per day evaporation for the quarter
*Reservoir 90 bypass projected completed mid-july
Unregulated/Used Sparingly = In and out water ~1 day
Unregulated/Rarely Used = Passthrough only

Stream Name	Huelo IIFS? (Y / N)	Relevant Ditch	Diversion ID	Diversion Type	General Description of Work	Submittals Pending	Approvals Pending	Submission Dates SHPD, USACE	Permitting Time Frame	Work Time Frame	NOTE
'O'opuola	Y	New Hamakua Ditch	NH-6 262	Major	Remove PVC piping, seal intake to allow 100% streamflow to pass	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
'O'opuola	Y	Wailoa Ditch	W-10 142	Major	Modify intake such that all flows up to **0.36 cfs (0.23 mgd)** flow past diversion to remain in stream. *Install 18" wide steel plate x 1.5" high concrete channel & upstream berm lip at low point side across grate.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
'O'opuola Tributary	Y	Wailoa Ditch	W-9 150	Major	Remove PVC piping, seal intake to allow 100% streamflow to pass	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
East Kōlea	Y	Wailoa Ditch	W-3 156	Major	Modify intake such that all flows up to **0.08 cfs** flow past diversion to remain in stream **without** providing for connectivity. *Install 18"-wide steel plate x 0.6"-high concrete channel & upstream berm lip at low point across grate. If necessary, notch down stream portion of dam lip.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
East Kōlea	Y	New Hamkua Ditch	NH-2 209	Major	Modify intake such that all flows up to **0.08 cfs** flow past diversion to remain in stream **without** providing for connectivity. *Install 18"-wide steel plate x 0.6"-high concrete channel & upstream berm lip at low point side.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Hānawana	Y	Lowrie Ditch	L-3 177	Major	Modify existing bypass pipe across Lowrie Ditch to prevent clogging and maintain a continual flow of water to meet downstream riparian uses. *Increase pipe diameter to 8".*	DOH CWB		11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	USACE exemption received. Submitted BMP Plan to DOH CWB. SHPD Review Concurrence 10/9/2025
Ho'olawa	Y	Haiku Ditch	H-7 215	Major	Seal holes in intake wall and create weir in sluice gate dam that is 45" wide x height 3" lower than lower than intake wall to allow 3.0 cfs to flow over new weir when repaired sluice gate closed; replace sluice gate	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 4-6 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Hoolawaliilii	Y	Wailoa Ditch	W-19 145	Major	Modify intake with 18-in plate across grate such that **20% of all streamflow** are transported and flow past diversion to provide for recreational, riparian, and aquatic habitat uses. *Install steel plate to cover 20% of grated area with a 1"-high concrete channel & upstream berm lip at low point across grate.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Hoolawaliilii	Y	Lowrie Ditch	L-12 243	Major	Modify the intake such that a continual flow of 0.7 cfs (0.45 mgd) flows below diversion 243 on Hoolawaliilii Stream to provide for recreational use and downstream habitat [no connectivity][4]. *Install 8" PVC piping at 0.29% slope and valve in ditch downstream of sluice gate, which will normally be closed. Fixing leaks in ditch wall is optional.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025

Stream Name	Huelo IIFS? (Y / N)	Relevant Ditch	Diversion ID	Diversion Type	General Description of Work	Submittals Pending	Approvals Pending	Submission Dates SHPD, USACE	Permitting Time Frame	Work Time Frame	NOTE
Hoolawanui	Y	New Hamakua Ditch	NH-19 234	Major	Seal / remove grate & seal hole into ditch with concrete/rocks to allow 100% streamflow to pass; remove dam wall between wingwalls and left and right banks	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Hoolawanui	Y	Old Hamakua Ditch	OH-1(NH-21) 254	Major	Seal / plug & seal hole into intake diversion with concrete to allow 100% streamflow to pass; remove dam within 10 feet of right bank, remove additional portions of dam if feasible based on assessment of initial removal	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Hoolawanui	Y	Wailoa Ditch [10]	W-20 144	Major	Modify intake with 18-in plate across grate such that **20% of all streamflow** are transported and flow past diversion to provide habitat connectivity, recreational, riparian, and aquatic habitat uses. *Install steel plate to cover 20% of grated area with a 1"-high concrete channel & upstream berm lip(s) at low point across grate.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Hoolawanui	Y	Lowrie Ditch	L-13 236	Major	Modify current bypass channel in bedrock by ensuring all flows up to **1.2 cfs (0.78 mgd)** flow past the diversion and continue downstream from the intake weir to provide recreational, downstream habitat, riparian, and aquatic habitat uses. *Create 18" wide x 6.7" deep channel at low point in bedrock in current channel & add new weir in ditch to match top with top of new channel in bedrock.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Ka'aiea	Y	Center Ditch	C-5 194	Major	Continual flow through 30" width x 3" curb height concrete/metal plate across grate and fix leaks in wing walls to transport all flows up to 1.8 cfs; fix leaks in upstream concrete and wing walls.	DOH CWB		11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 4-6 months after permits acquired.	USACE exemption received. Submitted BMP Plan to DOH CWB. SHPD Review Concurrence 10/9/2025
Ka'aiea	Y	Spreckels Ditch	S-11 232	Major	Modify intake with 18-in plate across grate such that all flows up to **1.8 cfs (1.12 mgd)** flow past diversion and fix leaks in wing wall to provide for habitat connectivity. *Install 18"-wide steel plate x 4.3"-high concrete channel & upstream berm lips(s) at low point side across grate and where necessary fix leaks in wingwall.*	DOH CWB		11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	USACE exemption received. Submitted BMP Plan to DOH CWB. SHPD Review Concurrence 10/9/2025
Kailua	Y	Wailoa Ditch	W-15 185	Major	Continual flow through 30" width x 3" curb height concrete/ metal plate across grate and install concrete berm upstream of grate to transport all flows up to 1.8 cfs; fix leaks	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 4-6 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Makanali	Y	Wailoa Ditch	W-7 173	Major	Remove PVC piping to allow 100% streamflow to pass and remove concrete tile wall and all concrete down to embedded pipes	DOH CWB	USACE	11/28/23, 1/20/25	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Nailiilihaele	Y	Wailoa Ditch	W-14 168	Major	Modify intake with 18-in plate across grate such that **20% of all flows** are transported and flow past diversion to remain in stream to provide for habitat connectivity and recreational uses. *Install steel plate to cover 20% of grated area with a 1"-high concrete channel & upstream berm lip(s) at low point across grate.*	DOH CWB		11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	USACE exemption received. Submitted BMP Plan to DOH CWB. SHPD Review Concurrence 10/9/2025

Stream Name	Huelo IIFS? (Y / N)	Relevant Ditch	Diversion ID	Diversion Type	General Description of Work	Submittals Pending	Approvals Pending	Submission Dates SHPD, USACE	Permitting Time Frame	Work Time Frame	NOTE
Nailiilihaele	Y	Lowrie Ditch	L-1 187	Major	Maintain wetted path over dam via notch in concrete to transport all flows up to **5.2 cfs (3.36 mgd)** to provide for habitat connectivity and recreational uses. *Maintain wetted path over dam by creating invert notch (18"-wide x 9.1" deep) in concrete dam. Close sluice gate. Add weir in ditch behind gate with a height to match top of notch.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Nailiilihaele	Y	New Hamkua Ditch	NH-12 267	Major	Modify intake such that all flows up to **1.8 cfs (1.12 mgd)** flow past diversion to provide for habitat connectivity and recreational uses. ***Within ditch*** *increase ditch intake invert 0.75" above top of dam.*	None		11/28/2023	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025, USACE N/A, work to take place in the ditch.
Nailiilihaele	Y	New Hamkua Feeder Ditch to Papaaea Reservoir	NH-13 255	Major	Modify intake such that all flows up to **3.6 cfs (2.32 mgd)** flow past diversion and provide for habitat connectivity and recreational uses. ***Within ditch*** *, increase ditch intake invert to be 1.8" higher than bedrock elevation at top of waterfall.*	None		11/28/2023	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025, USACE N/A, work to take place in the ditch.
O'opuola	Y	Spreckels Ditch	S-13 308	Major	30" width x 3" curb height concrete/metal plate across grate and installation of a concrete lip across the upstream side of the diversion, which is necessary to ensure flow is directed into the low flow channel to transport all flows up to 1.8 cfs.	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 4-6 months after permits acquired.	SHPD Review Concurrence 10/9/2025
O'opuola	Y	Center Ditch	C-7 196	Major	Continual flow through 30" width x 3" curb height concrete/ metal plate across grate with the concrete berm that needs to be installed in order to direct flow into the low flow channel. Seal leakage along upstream edge to transport all flows up to 1.8 cfs.	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 4-6 months after permits acquired.	SHPD Review Concurrence 10/9/2025
Oanui	Y	New Hamakua Ditch	NH-14 273	Major	Seal intake / remove grate then seal with concrete/rocks to allow 100% streamflow to pass	DOH CWB	SHPD, USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Waipi'o	Y	Lowrie Ditch	L-9 238	Major	Lay pipe in ditch and create concrete ditch overpass to allow 100% streamflow to pass; inlcude wingwalls and upstream curbs	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
West 'O'opuola Tributary	Y	New Hamakua Ditch	NH-8 260	Major	Seal intake / with concrete slab to allow 100% streamflow to pass	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025
West Hoolawanui	Y	New Hamkua Ditch	NH-20 244	Major	Modify intake with 18-in plate across grate such that **20% of all streamflow** flow below diversion to provide downstream habitat [connectivity][8] , recreational, riparian, and aquatic habitat uses. *Install steel plate to cover 20% of grated area with a 1"-high concrete channel & upstream berm lip at low point across grate.*	DOH CWB	USACE	11/28/23, 1/20/25, USACE Resubmitted 11/14/2025 upon Request	3-6 months	Pending weather delays, approximately 6-12 months after permits acquired.	SHPD Review Concurrence 10/9/2025

Stream Name	Huelo IIFS? (Y / N)	Relevant Ditch	Diversion ID	Diversion Type	General Description of Work	Submittals Pending	Approvals Pending	Submission Dates SHPD, USACE	Permitting Time Frame	Work Time Frame	NOTE
Hanehoi	N CAT 3	New Hamakua	NH-17a	Minor	Construct stream overpass over ditch; work required for final design is more expasive than originally envisaged, to include headwall in stream, pipe over ditch, and excavation of downstream access road	OCCL, USACE, DOH CWB	County of Maui (consultation regarding flood control) USFWS (consultation regarding damselfly)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Hanehoi	N CAT 3	Lowrie	L-5a	Minor	Construct stream overpass over ditch; work required for final design is more expasive than originally envisaged, to include headwall in stream, pipe over ditch, and excavation of downstream access road	OCCL, USACE, DOH CWB	County of Maui (consultation regarding flood control)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Hanehoi	N CAT 3	Lowrie	L-5b	Minor	Construct stream overpass over ditch; work required for final design is more expasive than originally envisaged, to include headwall in stream, pipe over ditch, and excavation of two downstream access roads	OCCL, USACE, DOH CWB	County of Maui (consultation regarding flood control)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Hanehoi	N CAT 3	Lowrie	L-5c	Minor	Construct stream overpass over ditch; work required for final design is more expasive than originally envisaged, to include headwall in stream, pipe over ditch, and excavation of downstream access road	OCCL, USACE, DOH CWB	County of Maui (consultation regarding flood control)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Honopou	N CAT 3	Haiku	H-8 189.6	Major	Concrete over stream grate and also concrete downstream windows. Also, extend west wingwall to prevent water from flowing back to the ditch. Planned work is consistent with design as originally proposed. Control gates shut and channel over intake installed to meet the IIFS.	DOH CWB	County of Maui (consultation regarding flood control)		3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Honopou	N CAT 3	Lowrie	L-15 266.6	Major	Construct stream overpass over ditch; work required for final design is more expasive than originally envisaged, to include headwall in stream, pipe over ditch, and excavation of downstream access road	USACE, DOH CWB	County of Maui (consultation regarding flood control)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Honopou	N CAT 3	Lowrie	L-16 257.6	Major	Construct stream overpass over ditch; work required for final design is more expasive than originally envisaged, to include headwall in stream, pipe over ditch, and excavation of downstream access road	USACE, DOH CWB	County of Maui (consultation regarding flood control)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Huelo	N CAT 3	Lowrie	L-7a	Minor	Construct stream overpass over ditch; work required for final design is significantly more expasive than originally envisaged, to include additional of fill material and headwall in stream, pipe within ditch, partial excavation of downstream access road, and installation of riprap over road to create new stream bed	USACE, DOH CWB	County of Maui (consultation regarding flood control)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Huelo	N CAT 3	Lowrie	L-7b	Minor	Construct stream overpass over ditch; work required for final design is more expasive than originally envisaged, to include headwall in stream, pipe over ditch, and excavation of downstream access road	USACE, DOH CWB	County of Maui (consultation regarding flood control)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	
Palauhulu	N CAT 3	Koolau	K-30d	Minor	Install ditch overpass. Planned work is consistent with design as originally proposed.	DOH CWB	OCCL (consultation regarding prior approved SPA) County of Maui (consultation regarding flood hazard)	Submitted 11/14/2025	3-6 Months	Pending weather delays, approximately 6-18 months after permits acquired.	OCCL Submitted 11/14/2025

Stream Name	Huelo IIFS? (Y / N)	Relevant Ditch	Diversion ID	Diversion Type	General Description of Work	Submittals Pending	Approvals Pending	Submission Dates SHPD, USACE	Permitting Time Frame	Work Time Frame	NOTE
Hanehoi	N CAT 1	Haiku	H-3	Major	1. Remove wingwall portion of dam (towards the left bank). 2. Remove downstream lip of the apron at the foot of the dam. 3. Remove the sluice gate infrastructure.	DOH CWB	USACE, SHPD, SMA	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	All permits for the Original Category 1 Modifications were obtained and the work was completed as approved. Outstanding work and submittals/approvals pending relate to additional work requested by East Maui Commuinity. Further Clarification from SHPD is necessary to determine their position on their review of Concurrence Letter of 10/9/2025.
Hanehoi	N CAT 1	Wailoa	W-18 191.6	Major	1. Remove wing walls on right bank. 2. Fill in gaps undercutting the downstream end of the intake structure (need to determine volume and type of material to be used).	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Hanehoi	N CAT 1	New Hamakua	NH-17 264.6	Major	Remove dam lip from right bank at downstream end of the bypass channel, up to sealed diversion intake.	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Hanehoi	N CAT 1	Lowrie	L-5 240.6	Major	1. Seal and/or cap downstream end of PVC bypass pipe. 2. Seal leaks into Lowrie Ditch on upstream end of bypass channel (need to determine volume and type of material to be used).	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Hanehoi	N CAT 1	Lowrie	L-6 242.6	Major	Remove concrete dam on right bank. Note: Need to assess the quantity and nature of material accumulated behind the dam and whether or not this material may need to be dredged out prior to dam removal to prevent downstream water quality impacts.	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Honopou	N CAT 1	New Hamakua	NH-22 247.6	Major	1. Remove steel plates separating former intake and main stream channel. 2. Remove concrete lip on top of dam strucuture.	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Honopou	N CAT 1	New Hamakua	NH-23 246.6	Major	Construct 45-degree concrete ramp on the left bank, downstream of the bypass channel for the main channel to the left of the sealed intake (need to determine volume and type of material to be used to construct the ramp).	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Huelo	N CAT 1	Haiku	H-4 225.6	Major	1. Remove dam wall and sluice gate infrastructure. 2. Remove sediment basin wall. Note: Need to assess the quantity and nature of material accumulated behind the dam and/or in the sediment basin and whether or not this material may need to be dredged out prior to removal of the dam and sediment basin to prevent downstream water quality impacts.	DOH CWB	USACE, SMA, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Huelo	N CAT 1	Lowrie	L-7 155.6	Major	1. Remove top of dam intake above bypass channel. 2. Seal downstream end of bypass channel for leakages (need to determine volume and type of material to be used).	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Pi'ina'au	N CAT 1	Koolau	K-31 330.6	Major	Remove low dam downstream of sealed intake. Note: Need to assess the quantity and nature of material accumulated behind the dam, if any, and whether or not this material may need to be dredged out prior to dam removal to prevent downstream water quality impacts.	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	All permits for the Original Category 1

Stream Name	Huelo IIFS? (Y / N)	Relevant Ditch	Diversion ID	Diversion Type	General Description of Work	Submittals Pending	Approvals Pending	Submission Dates SHPD, USACE	Permitting Time Frame	Work Time Frame	NOTE
Wailuanui	N CAT 1	Koolau	K-18 331.6	Major	1. Remove dam wall and sluice gate infrastructure. 2. Remove sediment basin wall. Note: Need to assess the quantity and nature of material accumulated behind the dam and/or in the sediment basin and whether this material may need to be dredged out prior to removal of the dam and/or sediment basin to prevent downstream water quality impacts.	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	Modifications were obtained and the work was completed as approved. Outstanding work and submittals/approvals pending relate to additional work requested by East Maui Commuinity. Further Clarification from SHPD is necessary to determine their position on their review of Concurrence Letter of 10/9/2025.
Wailuanui	N CAT 1	Koolau	K-20 322.6	Major	Remove low dam wall on left bank of stream. Note: Need to assess the quantity and nature of material accumulated behind the dam and whether or not this material may need to be dredged out prior to dam removal to prevent downstream water quality impacts.	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Wailuanui	N CAT 1	Koolau	K-21 321.6	Major	1. Cut and (partially) remove the dam while leaving intact four feet from the rockwall-supported embankment on the left bank and thence tapered at a 1:1 slope to the stream bed to keep the rock wall supported embankment in good condition. 2. If the base of the dam, once cut, is not found to be hard bedrock, the area may need to be capped with high-strength concrete to prevent erosion/scouring. 3. Large boulders may be placed at the base of the rock wall supporting the embankment to prevent scour of the embankment. Note: Need to assess the quantity and nature of material accumulated behind the dam and whether or not this material may need to be dredged out prior to dam removal to prevent downstream water quality impacts.	OCCL, DOH CWB	USACE, SHPD	8/22/24, 4/11/25	3-6 Months	Pending weather delays, approximately 6-12 months after permits acquired.	
Kapaula	N	Koolau	K-5 295.6	Major	A drisco pipe will be installed to create a wetted path. (12/19/24: Per CWRM, no modification required)	CWRM, OCCL, USACE, DOH CWB	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Kapaula	N	Koolau	K-6 285.6	Major	No sluice gate is present. Add drisco pipe to provide wetted path over top of dam. No alteration to this diversion is required to achieve IIFS flow. (12/19/24: Per CWRM, no modification required)	CWRM, OCCL, USACE, DOH CWB	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Kopiliula	N	Koolau	K-14 277.6	Major	Install drisco pipe to provide wetted path. (12/19/24: Per CWRM, concur)	CWRM, OCCL, USACE, DOH CWB	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Kopiliula	N	Koolau	K-15 290.6	Major	Sluice gate has been adjusted to provide for both the IIFS and connectivity. Install drisco pipe to provide wetted path and meet the IIFS/provide connectivity. (12/19/24: Per CWRM, concur)	CWRM, OCCL, USACE, DOH CWB	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Makapipi	N	Koolau	K-1 298.6	Major	Sluice gate has been completely removed and the intake windows will be sealed with concrete. (12/19/24: Per CWRM, concur)	CWRM, OCCL, USACE, DOH CWB (confirm Flood Hazard Zone)	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	

Stream Name	Huelo IIFS? (Y / N)	Relevant Ditch	Diversion ID	Diversion Type	General Description of Work	Submittals Pending	Approvals Pending	Submission Dates SHPD, USACE	Permitting Time Frame	Work Time Frame	NOTE
Pa'akea	N	Koolau	K-10 281.6	Major	Intake gate has been shut to provide for the IIFS. Adjustment to be made so that water flows over the dam. (12/19/24: Intake gate will be opened to allow diversion of water; Notch dam to provide for downstream connectivity)	CWRM, OCCL, USACE, DOH CWB (confirm Flood Hazard Zone)	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Puohokamoa	N	Manuel Luis	ML-3 193.6	Major	Intake temporarily blocked with stream rocks. EMI will consider installing boards inside the tunnel within the ditch to block intake. (12/19/24: Per CWRM, concur)	CWRM, OCCL (confirm Flood Hazard Zone)	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Puohokamoa	N	Spreckels	S-9 162.6	Major	Board gate at intake has been closed. Dam will be notched to provide for both the IIFS and connectivity. (12/19/24: Per CWRM, concur)	CWRM, OCCL, USACE, DOH CWB (confirm Flood Hazard Zone)	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	
Waikamoi	N	Spreckels	S-10 163.6	Major	Skimming Dam will be notched to provide for both the IIFS and connectivity. (12/19/24: EMI and CWRM will investigate further)	CWRM, OCCL, USACE, DOH CWB (confirm Flood Hazard Zone)	None		6 months	Pending weather delays, approximately 6-12 months after permits acquired.	