



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
  
APPLICATION FOR SURFACE WATER USE PERMIT  
FOR EXISTING USE IN THE LAHAINA AQUIFER SECTOR  
AREA, WEST MAUI, SURFACE WATER MANAGEMENT AREAS  
  
FORM SWUPA-E

For Official Use Only:

For detailed instructions on filling out this application, refer to the attached instructions. **Incomplete applications will not be accepted for processing.** The following must be attached before this application is accepted as complete:

- Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) labeled with stream and diversion location and the quad map name.
- Property tax map showing the stream or diversion location and location of water use referenced to established property boundaries.
- Photograph(s) of the surface water source, diversion and end use, if applicable.

APPLICANT INFORMATION: Note: In accordance with §174C-51(1)(B), HRS, In the event a lessee, licensee, developer, or any other person with a terminable interest or estate in the land, which is the water source of the permitted water, applies for a water permit, the landowner shall also be stated as a joint applicant for the water permit.

1. APPLICANT'S NAME Hawaii Water Service Company, Inc.		Applicant's Contact Julian Gandara		2. SOURCE LANDOWNER'S NAME Maui Land & Pineapple Company		Source Landowner's Contact Race Randle	
Applicant's Mailing Address, or Principal Place of Business PO Box 384809 Waikoloa, HI 96738				Source Landowner's Mailing Address, or Principal Place of Business 200 Village Road Lahaina HI 96761			
Applicant's Phone (808) 883-2046		Applicant's Fax (808) 883-2064		Applicant's E-mail [REDACTED]		Source Landowner's Phone 808 349 9364	
				Source Landowner's Fax [REDACTED]		Source Landowner's E-mail [REDACTED]	

EXISTING SOURCE INFORMATION

3. SURFACE WATER HYDROLOGIC UNIT AND CODE:				<input type="checkbox"/> Ukumehame(6004)	<input type="checkbox"/> Olowalu (6005)	<input type="checkbox"/> Launiupoko (6006)
<input type="checkbox"/> Kaua'ula (6007)				<input type="checkbox"/> Kahoma (6008)	<input type="checkbox"/> Wahikuli (6009)	<input type="checkbox"/> Honokōwai (6010)
<input type="checkbox"/> Kahana (6011)				<input type="checkbox"/> Honokahua (6012)	<input type="checkbox"/> Honolulu (6013)	<input checked="" type="checkbox"/> Honokōhau (6014)

4a. TMK OF STREAM DIVERSION LOCATION:	4	-	1	-	001	:	017
	Zone		Sector		Plat		Parcel

4b. TMK OF DITCH DIVERSION LOCATION:	4	-	1	-	001	:	017
	Zone		Sector		Plat		Parcel

5a. STREAM DIVERSION: How is water diverted from the stream to your property? Check all that apply.

☐ Pipe ☐ Pump ☒ Ditch/Auwai ☐ Other Describe:

5b. IS THE DIVERTED WATER RETURNED TO THE STREAM OR DITCH?

☒ Yes. How much water is returned? unknown gallons per day TMK of Returned Water Location: 4-1-001:009 - Taro Gate

☐ No.

6. FLOW MEASUREMENT INFORMATION:

Does the stream diversion have a flowmeter with totalizer or other device to measure diverted amounts?

☐ Yes. Enter the installation date: Enter measured amounts in Table 1.

List the manufacturer and describe the device:

☒ No. Explain how you are measuring flow to justify amounts shown in Table 1 in the space below

EXISTING USE INFORMATION

7. TOTAL QUANTITY OF WATER REQUESTED:		gallons per day. See Table 2, Item 14.	
8. EXISTING USE:		<input type="checkbox"/> Agriculture <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Irrigation	
Check all that apply <input type="checkbox"/> Military <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Traditional & Customary Practice:			

9. LOCATION OF EXISTING WATER USE: Show the location of the existing use on the same USGS and TMK maps as the existing source location. Otherwise, attach similar maps. See Table 2, Item 2.

EXISTING USER INFORMATION

10. APPURTENANT RIGHT: Do you claim an appurtenant right for your water use?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, has the appurtenant right been established by the courts or the Commission?		<input type="checkbox"/> Yes <input type="checkbox"/> No
11. END USER INFORMATION: Are you an end user on an existing water system?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, who is the operator of the water system?		Hawaii Water Service Company, Inc.
12. REGISTRATION AND DECLARATION OF WATER USE: Do you have a Registration and Declaration of Water Use with the Commission?		
<input type="checkbox"/> Yes. List the file reference name(s):		<input checked="" type="checkbox"/> No
13. STREAM DIVERSION WORKS PERMIT (SDWP):		
Have you ever been issued a SDWP by the Commission?		
<input checked="" type="checkbox"/> Yes. List the permit number(s): SDWP.5358.6, SDWP.5359.6		<input type="checkbox"/> No

NOTE: Signing below indicates that the signatories understand and affirm that the information provided on this application is accurate and true to the best of their knowledge. Furthermore, the signatories understand that: 1) if necessary, further information may be required before the application is considered complete; 2) if a water use permit is granted by the Commission, this permit will be subject, but not limited, to any existing legal uses, changes in sustainable yields and instream flow standards, Hawaiian Home Lands uses, and any other conditions imposed by the Commission; and 3) the applicant is responsible for paying the required public notice fees associated with this application.

14. APPLICANT		15. SOURCE LANDOWNER	
<div>Julian Gandara</div> <div>Digitally signed by: Julian Gandara DN: CN = Julian Gandara email = gandara@hawaiiwaterservice.com C = AD Date: 2023.08.05 20:39:22 -10'00'</div>		<div>[Signature]</div>	
Signature Julian Gandara		Signature Race Randle	
8/5/2023		8/5/23	
Date		Date	
Print		Print	

SURFACE WATER USE PERMIT APPLICATION - EXISTING USE (LAHAINA AQUIFER SECTOR AREA, WEST MAUI)

12-MONTH AVERAGE DAILY USE							
16. TABLE 1: MEASURED OR CALCULATED USE OF WATER AT THE SOURCE OR END USE (As of the Effective Date of Designation, August 6, 2022)							
A	B	C	D	E	F	G	
A. MONTH / YEAR	B. AVERAGE DAILY USE FOR THE MONTH IN GALLONS PER DAY (GPD)	Check one item per box				OTHER Please describe	
		METERED	ESTIMATED	ACTIVE BUT UNKNOWN	INACTIVE		
August 2021	Refer to Appendix 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
September 2021		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
October 2021		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
November 2021		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
December 2021		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
January 2022		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
February 2022		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
March 2022		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
April 2022		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
May 2022		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
June 2022		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
July 2022		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
H. SUM OF AVERAGE DAILY USE FOR THE MONTH							GPD
I. AVERAGE DAILY USE (Average of the above)							GPD

SURFACE WATER USE PERMIT APPLICATION - EXISTING USE (LAHAINA AQUIFER SECTOR AREA, WEST MAUI)

EXISTING USE INFORMATION

17. TABLE 2: LAND USE CONSISTENCY / EFFICIENCY OF USE (Attach additional copies of Table 1 if necessary.)

EFFICIENCY OF USE														
A	B			C	D	E	F	G	H	I	J	K		
PURPOSE / WATER USE CATEGORY	TMK FOR LOCATION OF USE ATTACH THE FOLLOWING: <ul style="list-style-type: none"><li>Property tax map, showing existing location of use referenced to established property boundaries.</li><li>Photograph of the area of existing use.</li></ul>				STATE LAND USE DISTRICT	CDUP REQ'D Check the appropriate box, and write in the date approved, if applicable.	COUNTY ZONING CODE	SMAP REQ'D Check the appropriate box, and write in the date approved, if applicable.	UNITS OR NET ACREAGE	GPD/UNIT or GPD/ACRE (Gallons per Day)	REQUESTED QUANTITY OF USE (GPD)	SUB-METERED? Check Yes or No	APPLICANT'S JUSTIFICATION FOR REQUESTED QUANTITY OF USE. If applicable, attach sheets to show how this number was calculated. For irrigation uses, fill in Table 2.	
Uses that require potable (drinking) water														
Refer to Appendix 2	Zone	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sec	-	-	-	-	-	-	-	-	-	-	-	-	-
	Plat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Parcel	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sec	-	-	-	-	-	-	-	-	-	-	-	-	-
	Plat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Parcel	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sec	-	-	-	-	-	-	-	-	-	-	-	-	-
	Plat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Parcel	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POTABLE USE (L)										GPD				
Uses that do not require potable water														
	Zone	-	-	-	-	-	-	-	-	-	-	-	-	-
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	Plat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Parcel	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sec	-	-	-	-	-	-	-	-	-	-	-	-	-
	Plat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Parcel	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone	-	-	-	-	-	-	-	-	-	-	-	-	-
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	Plat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Parcel	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL NON POTABLE USE (M)										GPD				
TOTAL QUANTITY OF WATER REQUESTED (Sum of Total Potable Use and Total Non-Potable Use above) (N) =										GPD				

O. LIMITATIONS: Please explain if there are any limitations (legal, contractual, etc.) on the use(s) of water described above. §174C-51(5) HRS  
Hawaii Water and Maui Land and Pineapple Co. (MLP) have entered into an agreement for water delivery from the Honokohau ditch. A copy of the purchased water agreement included in Appendix 4. MLP also has two water delivery agreements with TY Management Corporation which are included in Appendices 5 and 6.

SURFACE WATER USE PERMIT APPLICATION - EXISTING USE (LAHAINA AQUIFER SECTOR AREA, WEST MAUI)

EXISTING USE INFORMATION (continued)

18. TABLE 3: IRRIGATION INFORMATION (List all crops as separate line items, including landscape and golf course irrigation uses, grown in the 12 months prior to August 6, 2022. Attach additional copies of Table 3 if necessary.										
A				B	C	D	E	F	G	H
TMK OF EXISTING LOCATION OF USE (Attach TMK map outlining area and photos for each existing use.)				CROP	TOTAL ACREAGE	NET IRRIGATED ACREAGE	BEGIN GROWTH PERIOD (Month)	END GROWTH PERIOD (Month)	IRRIGATION SYSTEM (Refer to instructions.)	IRRIGATION PRACTICE (Refer to instructions.)
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SURFACE WATER USE PERMIT APPLICATION - EXISTING USE (LAHAINA AQUIFER SECTOR AREA, WEST MAUI)

OTHER PERTINENT INFORMATION		
19. TABLE 4: ALTERNATIVES ANALYSIS		
	A. Analysis of Potable Alternatives (Attach additional sheets if necessary.)	B. Analysis of Non-Potable Alternatives (Attach additional sheets if necessary.)
Municipal sources	The only option of municipal source is Kapalua Wells 1 and 2. It is possible to supplement Honokohau stream diversions with water pumped from wells. Well water is avoided to the extent possible as well water is used for drinking water.	There are no other non-potable alternatives available in the area,
Wastewater reuse	Hawaii Water is not aware of any direct or indirect potable reuse projects in West Maui. the nearest wastewater treatment plant to the Kapalua service area is the Lahaina Wastewater treatment plant, approximately 4.5 miles to the south. If direct or indirect potable reuse became available as an option, a transmission system would need to be constructed for the source to be viable.	Recycled water is not available in the Kapalua service area. Maui County is currently working on a recycled water project to bring R-1 water to the Kaanapali area from the Lahaina Wastewater treatment plant. In order to bring R-1 water to Kapalua, a transmission pipeline approximately 4.5 miles would need to be constructed. Hawaii Water is not aware of the balance of R-1 water available from Lahaina Wastewater Treatment plant. However, if there is sufficient supply, R-1 could be a feasible alternative to ditch water.
Ditch system	The Honokohau ditch is the source of supply for this surface water permit application. Use of the ditch water is not for potable consumption.	The Honokohau ditch is the source of supply for this surface water permit application.
Desalinization	While desalinization is an option, it is not feasible for Hawaii Water to explore due to the small customer base in Kapalua and Kaanapali. However, Hawaii Water is aware that Maui County has commissioned a consultant to deliver a desalinization feasibility study. Hawaii Water would be open to a partnership with the County if desalinization is feasible.	No feasibility studies have been completed for desalinized non-potable water. One alternative for non-potable use is brackish water wells. This is common for irrigation and other non-potable uses where appropriate.
Ground water	The only option of municipal source is Kapalua Wells 1 and 2. It is possible to supplement Honokohau stream diversions with water pumped from wells. Well water is avoided to the extent possible as well water is used for drinking water.	There are no other non-potable alternatives available in the area,
Conservation measures	Hawaii Water actively responds to water leaks, proactively and routinely changes meters according to AWWA M6 standards.	Hawaii Water actively maintains the Honokohau ditch to minimize leaks and clear excess vegetation. Additional conservation measures implemented by TY Management Corp are presented in Appendix 7.
Other (specify)		

**SURFACE WATER USE PERMIT APPLICATION - EXISTING USE**

<b>OTHER PERTINENT INFORMATION</b>
<p><b>20. PUBLIC INTEREST:</b> Hawaii Revised Statutes §174C-2(c) states that: <i>The state water code shall be liberally interpreted to [a] obtain maximum beneficial use of the waters of the State for purposes such as domestic uses, aquaculture uses, irrigation and other agricultural uses, power development, and commercial and industrial uses. However, [b] adequate provision shall be made for the protection of traditional and customary Hawaiian rights, the protection and procreation of fish and wildlife, the maintenance of proper ecological balance and scenic beauty, and the preservation and enhancement of waters of the State for municipal uses, public recreation, public water supply, agriculture, and navigation. Such objectives are declared to be in the public interest.</i></p>
<p><b>Explain how the existing use(s) in your application are consistent with items [a] and [b] above.</b></p> <p>Water divereted from the Honokohau stream is used for irrigation and fire suppression in the Kapalua community. These two uses fit in with the public interest as laid out by HRS 174C-2(c). Additionally, the inflow and instream standard for the Honokohau stream ensures that traditional and customary Hawaiian rights are protected, fish and wild life are protected and can procreate, the scenic beauty and ecological balance are maintained, and that waters of the State for municipal uses, public recreation, public waer supply, agriculture, and navigation are preserved and enhanced. Additional information provided by TY Management Corp regarding the public interest being served by the golf course operation at Kapalua is presented in Appendix 8</p>
<p><b>20a. Please provide the identity and scope of cultural, historical, and natural resources in which traditional and customary Native Hawaiian rights are exercised in this area.</b></p> <p>Refer to Appendix 3</p>
<p><b>20b. Identify the extent to which those resources, including traditional and customary Native Hawaiian rights, will be affected or impaired by the proposed action.</b></p> <p>Refer to Appendix 3</p>
<p><b>20c. What feasible action, if any, could be taken by the Commission on Water Resource Management in regards to your application to reasonably protect Native Hawaiian rights?</b></p> <p>Refer to Appendix 3</p>

**SURFACE WATER USE PERMIT APPLICATION - EXISTING USE**

**OTHER PERTINENT INFORMATION**

**21. INTERFERENCE WITH THE RIGHTS OF THE DEPARTMENT OF HAWAIIAN HOME LANDS**

Explain how the continued use(s) of water will not interfere with the rights of the Department of Hawaiian Home Lands, as provided in section 221 of the Hawaiian Homes Commission Act.  
Hawaii Water is not aware of any projects withdrawing surface water from Honokohau ditch.

**22. INTERFERENCE WITH ANY EXISTING LEGAL USES**

Explain how the continued use(s) of water will not interfere with any other existing legal use(s) of water.  
Hawaii Water operates the Honokohau Ditch in such a way that prioritizes municipal uses for County of Maui at its Mahinahina Water treatment plant.  
Hawaii Water also strives to meet the IIFS of the Honokohau stream.

**23. PUBLIC WATER SYSTEM INFORMATION**

Check the appropriate box or boxes.

<input checked="" type="checkbox"/> PUC-Regulated Private System	<input type="checkbox"/> Non-PUC-Regulated Private System	<input type="checkbox"/> Not a Public Water System
<input type="checkbox"/> Intended dedication to County Water Department		

**INSTRUCTIONS FOR FILLING OUT APPLICATION FOR SURFACE WATER USE PERMIT  
FOR AN EXISTING USE, LAHAINA AQUIFER SECTOR AREA, WEST MAUI**

**INSTRUCTIONS FOR FILLING OUT FORM SWUPA-E**

This application form is to be used for actual **existing uses** as of the effective date of designation, August 6, 2022, for the Lahaina Aquifer Sector Area as both a Surface Water and Ground Water Management Area. Based on the State Water Code, Section 174C, Part IV Regulation of Water Use, a completed application must be filed with the Commission on Water Resource Management (CWRM) no later than **August 6, 2023**, to qualify as an existing use. Failure to meet the filing deadline may cause your application to be considered a new use and require you to file an Application for Surface Water Use Permit for New Use.

If you are applying for a new surface water use, which are proposed uses after the date of designation, please use the Application for Surface Water Use Permit for New Use, **Form SWUPA-N**.

Information about surface water management areas and the current application forms are available at our website: <https://dlnr.hawaii.gov/cwrn/>; by contacting the Stream Protection and Management Branch at (808) 587-0234; or by email at: [dlnr.cwrn@hawaii.gov](mailto:dlnr.cwrn@hawaii.gov). The current application forms are also available at: <https://dlnr.hawaii.gov/cwrn/info/forms/>.

**REQUIREMENTS FOR A COMPLETE APPLICATION** Information must be legible. Therefore, please type or clearly print all information in ink.

- a. Fill in the most recent application form.
- b. Fill in every line on the application.
- c. Enclose a check for the non-refundable filing fee of \$25 payable to: Department of Land and Natural Resources.
- d. Pay for the cost of publishing any required public notices related to your application.
- e. Mark the source and end use locations on the appropriate USGS quad map and TMK map and attach to your application.
- f. Attach photos showing your existing diversion, measuring device (if applicable) and end use areas.
- g. Sign the application form. Both the applicant and the landowner of the source must sign the application form.
- h. Submit one (1) original and one (1) digital copy of the application form including all of the attachments (instructions, maps, photos and any additional attachments) and filing fee to: Commission on Water Resource Management, P.O. Box 621, Honolulu, HI 96809.

The applicant **must** establish that the existing use of water is a reasonable and beneficial use. According to §174C-3 of the State Water Code: *“Reasonable-beneficial use” means the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is both reasonable and consistent with the state and county land use plans and the public interest.*

Furthermore, public interest is described in §174C-2(c) of the State Water Code which states that: *(t)he state water code shall be liberally interpreted to obtain maximum beneficial use of the waters of the State for purposes such as domestic uses, aquaculture uses, irrigation and other agricultural uses, power development, and commercial and industrial uses. However, adequate provision shall be made for the protection of traditional and customary Hawaiian rights, the protection and procreation of fish and wildlife, the maintenance of proper ecological balance and scenic beauty, and the preservation and enhancement of waters of the State for municipal uses, public recreation, public water supply, agriculture, and navigation. Such objectives are declared to be in the public interest.*

**LINE BY LINE INSTRUCTIONS FOR COMPLETING THE APPLICATION FORM**

**APPLICANT INFORMATION**

In accordance with the Hawaii Water Code, both the applicant and the person who owns the property where the water source is located are required to apply for a water use permit. §174C-51(1)(B), HRS, states, *In the event a lessee, licensee, developer, or any other person with a terminable interest or estate in the land, which is the water source of the permitted water, applies for a water permit, the landowner shall also be stated as a joint applicant for the water permit.*

1. **APPLICANT INFORMATION:** Fill in the information for the applicant. This should be the person who will be responsible for all conditions of the water use permit.
2. **SOURCE LANDOWNER INFORMATION:** Fill in the information for the landowner of the property where the existing surface water diversion source (e.g., stream, spring, etc.) is located.

**EXISTING SOURCE INFORMATION**

3. **SURFACE WATER HYDROLOGIC UNIT AND CODE:** Enter the appropriate island name, hydrologic unit name, and hydrologic code where the existing source is located. The “source” is the stream from which water is diverted to the user. For information on hydrologic unit names and unit codes please refer to the *Surface Water Hydrologic Unit: A Management Tool for Instream Flow Standards* report on the CWRM website at: <https://files.hawaii.gov/dlnr/cwrn/publishedreports/PR200501.pdf>, or contact CWRM staff at (808) 587-0234. You may also contact CWRM toll-free from Maui at: (808) 984-2400, ext. 70234.
- 4a. **TMK OF EXISTING STREAM DIVERSION LOCATION:** Fill in the Tax Map Key (TMK) number of the tax parcel where the stream diversion is located. Each tax parcel is issued a TMK number by the county property tax office and is defined as follows: 1st digit = (Island code), 2nd digit = Zone, 3rd digit = Section, Digits 4 to 6 = Plat, Digits 7 to 9 = Parcel, e.g. (1) 1-1-001:001. To find out your TMK number, call Maui County Real Property Tax Division at: (808) 270-7297, or check online at: [www.mauipropertytax.com/](http://www.mauipropertytax.com/)
- 4b. **TMK OF EXISTING DITCH DIVERSION LOCATION:** Fill in the Tax Map Key (TMK) number of the parcel where the existing ditch diversion is located, if applicable.
- 5a. **STREAM DIVERSION:** How is water diverted from the stream to your property? Check all the appropriate boxes.
- 5b. **IS THE DIVERTED WATER RETURNED TO THE STREAM OR DITCH?** Check “Yes” or “No.” If yes, enter the amount of water returned and the TMK location of where water is returned to the stream or ditch.
6. **FLOW MEASUREMENT INFORMATION:** Check “Yes” or “No”. If yes, please describe the measuring device. A flowmeter with a totalizer will directly measure the total use for the source (similar to a car’s odometer). If no, explain how stream diversion is measured or estimated to justify amounts requested.

**EXISTING USE INFORMATION** (Ref. §§174C-51(4), (5), (6), HRS)

7. **TOTAL QUANTITY OF WATER REQUESTED:** Enter the amount of water requested as gallons per day (GPD). Fill out Table 2 and enter the amount from Box 17-N, “Total Quantity of Water Requested.”
8. **EXISTING USE:** Check all the boxes that apply for the existing use. Refer to the instructions for Table 2: Land Use Consistency/Efficiency of Use, Item 1: Purpose/Water Use Category below to determine which water use category to use.
9. **LOCATION OF EXISTING WATER USE:** Show the location of the existing use on the same USGS and TMK maps as the existing source location. Otherwise, attach similar maps and show the location of the existing use.

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EXISTING USER INFORMATION

10. **APPURTENANT RIGHT:** An appurtenant water right is a legally recognized right to a specific amount of surface freshwater – usually from a stream – on the specific property that has that right. This right traces back to the first time the land was converted to fee simple title; i.e., the Great Mahele and the issuance of either a Land Commission Award or Royal Patent. The quantity of water under the appurtenant right is the amount that was being used on the land shortly before or at the time of the Mahele.  
Do you claim an appurtenant right for your existing water use? Check “Yes” or “No.”  
If yes, has your appurtenant right been established by the courts or the Commission? Check “Yes” or “No.”
11. **END USER INFORMATION:** Will you be an end user on an existing water system? Check “Yes” or “No.” If yes, please list the name of the water system operator.
12. **REGISTRATION AND DECLARATION OF WATER USE:** Do you have a Registration and Declaration of Water Use from the Commission? Check “Yes” or “No”. If yes, list the name of the registrant(s).
13. **STREAM DIVERSION WORKS PERMIT (SDWP):** Have you ever been issued a SDWP by the Commission? If yes, please list the permit number(s). Otherwise, check “No.”
14. **APPLICANT:** Sign and print your name, and date your application.
15. **SOURCE LANDOWNER:** Sign and print your name, and date your application. The landowner of the source shall be a joint applicant in the event the applicant is a lessee, licensee, developer, or any other person with a terminable interest or estate in the land which is the water source of the permitted water. §174C-51(1)(B)

12-MONTH AVERAGE DAILY USE

16. **12-MONTH AVERAGE DAILY USE:**  
Measured or calculated use of water at the source or end use as of the effective date of designation, August 6, 2022. Please fill out Table 1 to calculate your existing use as of the effective date of the designation, **August 6, 2022**, of the Lahaina Aquifer Sector Area, West Maui, Surface Water Management Areas. The effective date of designation is the date of the publication of the public notice of the Commission designation action. The qualifying dates have been filled in for this application. Fill in as completely as possible.
- A. **MONTH / YEAR:** The month and year prior to the effective date of designation.
- B. **AVERAGE DAILY USE FOR THE MONTH IN GALLONS PER DAY (GPD):** This is the average daily use for one month in gallons per day (GPD). To calculate this average, take the total use (in gallons) for the month, and divide this amount by the number of days in the month.
- C. **METERED:** Water use data is based on an operational meter with a totalizer.
- D. **ESTIMATED:** Water use data is based on some indirect measurement technique (e.g. measured flow rate multiplied by time of operation).
- E. **ACTIVE BUT UNKNOWN:** Water source is active, but there is no means to measure or estimate flow coming from source.
- F. **INACTIVE:** Water source was not pumped or diverted for the month.
- G. **OTHER:** Describe other methods of how water use was measured or calculated in this box.
- H. **SUM OF AVERAGE DAILY USE FOR THE MONTH:** Add the quantities listed in Column B for a sum of the average daily use for the month, for the entire year prior to the effective date of designation.
- I. **AVERAGE DAILY USE:** Divide the sum of average daily use for the month (Line H) by 12.

EXISTING USE INFORMATION

17. **TABLE 2: LAND USE CONSISTENCY / EFFICIENCY OF USE:**  
Provide information on all of the existing uses you are applying for or seeking to modify. In the space provided below the table or on a separate sheet, explain whether there are any limitations (e.g., a contract or other legal agreement(s)) on your existing water use(s), as required by §174C-51(5), HRS.
- A. **PURPOSE / WATER USE CATEGORY:** For each existing use, choose one of the categories listed below and enter the appropriate code in the space provided (e.g. AGRAQ, IRRIG, etc.)

<b>AGRICULTURE</b> AGRAQ     Aquatic Plants & Animals AGRCP     Crops & Processing AGRLI     Livestock & Processing, and Pasture AGRON     Ornamental & Nursery Plants AGRTA     Taro AGROTH   Other	<b>DOMESTIC</b> DOM        Single & Multi Low-Rise & High-Rise Household DOMN      Domestic (Non-residential) DOMNCB   Commercial Businesses DOMNRI   Religious Institutions DOMNHOS   Hospitals DOMNHOT   Hotels DOMNOB   Office buildings DOMNOTH   Domestic Non-Residential - Other DOMNSC   Schools
<b>IRRIGATION</b> IRRGC     Golf Course IRRHM     Habitat Maintenance IRRHOT     Hotel IRRLA     Landscape/Water Features IRROTH   Other IRRPA     Parks IRRSC     Schools	<b>INDUSTRIAL</b> INDEL      Geothermal, Thermoelectric Cooling, Power Development INDFP      Fire Protection INDMI      Mining, Dust Control INDOTH     Industrial – Other
<b>MILITARY</b> MIL        Military	<b>MUNICIPAL</b> MUNCO     County MUNPR     Privately-owned but defined as public water system by DOH MUNST     State
<b>TRADITIONAL &amp; CUSTOMARY PRACTICE</b>	

- B. **USE TMK:** The Tax Map Key number of the parcel over which the water will be applied. There should only be one parcel for each line. Also, attach: 1) a TMK map (or maps) showing each of the lots listed and the boundaries of the end use area(s); and 2) a photograph of the area of use.
- C. **STATE LAND USE DISTRICT:** Write in the name of the current land use district. To find out the current Land Use District, contact the

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Land Use Commission at (808) 587-3822.

- D. CDUP REQUIRED:** If a Conservation District Use Permit (CDUP) is required, check “Yes” and enter the date CDUP was approved if you have a CDUP applicable to this project; or check “Yes, not acquired”. If a CDUP is not required, check “No.” To find out if your parcel is in the Conservation District, contact the Land Use Commission at (808) 587-3822.
- If your parcel is in a Conservation District, contact the Department of Land and Natural Resources Office of Conservation and Coastal Lands at (808) 587-0377 to find out if a CDUP is required.
- E. COUNTY ZONING CODE:** To find out the Zoning Code for Maui, contact the Maui County Planning Department at (808) 270-7253.
- F. SMAP REQUIRED:** If a Special Management Area Permit (SMAP) is required, check “Yes” and enter the date SMAP was approved if you have a SMAP applicable to this project; or check “Yes, not acquired”. If a SMAP is not required, check “No.” To find out if your parcel is in a Special Management Area and requires an SMAP, contact Maui County Planning Department at (808) 270-8205.
- G. UNITS OR NET ACREAGE:** This is the value and category as the basis for calculating the duty. “Duty” means the amount of water requested for a “unit” over a specific time period, e.g. gallons per acre per day, or gallons/acre/day. “Unit” can mean dwelling unit, or number of people, or animals. Some examples of this category include: 400 dwelling units, 500 people, and 3.74 acres.
- H. GPD/UNIT or GPD/ACRE** (GPD=gallons per day): Enter the gallons per day or gallons per acre for each water use category listed in Column A.
- I. REQUESTED QUANTITY OF USE:** Enter the existing quantity of use in gallons per day (GPD) at build out after all phases of your project have been completed. The build out amount may differ from the four-year cumulative projected demand if your build out date extends beyond the cumulative projected four-year demand. Justification (Column K) for the quantity(ies) requested may depend on the information provided in Columns G and H of this table.
- J. SUBMETERED:** Is there a second measuring device or meter for another user? Check “Yes” or “No” if the specific use will be submetered or not. Submetering is specific to each line item.
- K. APPLICANT’S JUSTIFICATION FOR QUANTITY OF REQUESTED USE:** Explain how you are justifying the quantity of water requested for each use in Column I of this table. Attach additional sheets, if necessary, showing how the quantity was calculated. For all irrigation uses, you are required to also complete Item18 (Table 3) of the application.
- L. TOTAL POTABLE USE:** Add the quantities listed in Column I for potable water use(s) requested. Enter the total quantity in gallons per day (GPD) in Line L.
- M. TOTAL NON-POTABLE USE:** Add the quantities listed in Column I for requested uses that do not require potable water. Enter the total quantity of non-potable water use in gallons per day (GPD) in Line M.
- N. TOTAL QUANTITY OF WATER REQUESTED:** Add the totals in Lines L and M, and enter the sum in Line N. The quantity in Line N should be the same as the amount entered in Line 8 on page 1 of this application.
- O. LIMITATIONS:** Please explain if there are any limitations (legal, contractual, etc.) on the use(s) of water described above. §174C-51(5), HRS.

**18. TABLE 3: IRRIGATION INFORMATION:**

On Table 3, provide the information requested for all the crops you are growing, including landscape and golf course turf and plants. Enter only one crop and one parcel number (TMK) per line. For multiple crops, list each one as a separate line item. All existing irrigation uses you are applying for must be listed. Attach additional copies of Table 3, if necessary.

- A. TMK OF EXISTING LOCATION OF USE:** Enter the parcel number where the crop will be grown. Also attach a property tax map with an outline around the area(s) of existing use(s) and a photograph of each area of the existing use.
- B. CROP:** Enter the crop type.
- C. TOTAL ACREAGE:** Enter the total acreage of the parcel listed.
- D. NET IRRIGATED ACREAGE:** Enter the acreage that the specific crop will be grown.
- E. BEGIN GROWTH PERIOD (MONTH):** This is the month of the start of the growth cycle.
- F. END GROWTH PERIOD (MONTH):** This is the month of the end of the growth cycle.
- G. IRRIGATION SYSTEM:** Enter one of the following:
- TRICKLE, DRIP
  - TRICKLE, SPRAY
  - MULTIPLE SPRINKLERS
  - SPRINKLER, CONTAINER NURSERY
  - SPRINKLER, LARGE GUNS
  - SEEPAGE, SUBIRRIGATION
  - CROWN FLOOD
  - FLOOD (TARO)
  - OTHER – Please describe in the space provided for Comments.
- H. IRRIGATION PRACTICE:** Enter one of the following:
- IRRIGATE TO FIELD CAPACITY
  - APPLY A FIXED DEPTH PER IRRIGATION
  - DEFICIT IRRIGATION
  - OTHER - Please describe in the space provided for COMMENTS below.

**19. TABLE 4: ALTERNATIVES ANALYSIS AND ADDITIONAL REQUIREMENTS:**

Please address every alternative and explain why each alternative is or is not available for your existing potable and non-potable needs. Other alternatives (last row of Table 3) may include stormwater reclamation, rainwater catchment, or other alternatives not already listed above.

**Surface water** is defined in §174C-3, HRS as: *...both contained surface water—that is, water upon the surface of the earth in bounds created naturally or artificially including, but not limited to, streams, other watercourses, lakes, reservoirs, and coastal waters subject to state jurisdiction—and diffused surface water—that is, water occurring upon the surface of the ground other than in contained waterbodies. Water from natural springs is surface water when it exits from the spring onto the earth’s surface.*

For **Conservation Measures**, please describe any conservation measures that will be used to ensure that your water use is or will be efficient. Conservation measures may include, but are not limited to, water reuse or recycling systems, monitoring the water distribution system for pressure drops that are indicative of leaks or line breaks, or use of drought-tolerant and xeriscape landscape plants.

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**OTHER PERTINENT INFORMATION**

**20. PUBLIC INTEREST**

Explain in the space provided or on a separate sheet, how the existing use(s) will maximize beneficial use(s) and how they will be deemed to be in the public interest as defined by the State Water Code below.

Hawaii Revised Statutes §174C-2(c) states that: *The state water code shall be liberally interpreted to obtain maximum beneficial use of the waters of the State for purposes such as domestic uses, aquaculture uses, irrigation and other agricultural uses, power development, and commercial and industrial uses. However, adequate provision shall be made for the protection of traditional and customary Hawaiian rights, the protection and procreation of fish and wildlife, the maintenance of proper ecological balance and scenic beauty, and the preservation and enhancement of waters of the State for municipal uses, public recreation, public water supply, agriculture, and navigation. Such objectives are declared to be in the public interest.*

**21. INTERFERENCE WITH THE RIGHTS OF THE DEPARTMENT OF HAWAIIAN HOME LANDS**

Explain in the space provided or on a separate sheet, how the existing use(s) will not interfere with the rights of the Department of Hawaiian Home Lands, as provided in Section 221 of the Hawaiian Homes Commission Act. To inquire about potential interference, you may contact the Department of Hawaiian Home Lands (DHHL) main line at (808) 620-9500, or the DHHL Planning Office at (808) 620-9480. You may also visit their website at [dhhl.hawaii.gov](http://dhhl.hawaii.gov), where you can review DHHL’s Island Plans, Regional Plans, and their Water Policy Plan.

The State Water Code in §174C-101(a), HRS [Native Hawaiian water rights], states: *Provisions of this chapter shall not be construed to amend or modify rights or entitlements to water as provided for by the Hawaiian Homes Commission Act, 1920, as amended, and by chapters 167 and 168, relating to the Molokai irrigation system. Decisions of the commission on water resource management relating to the planning for, regulation, management, and conservation of water resources in the State shall, to the extent applicable and consistent with other legal requirements and authority, incorporate and protect adequate reserves of water for current and foreseeable development and use of Hawaiian home lands as set forth in section 221 of the Hawaiian Homes Commission Act.*

**22. INTERFERENCE WITH ANY EXISTING LEGAL USES**

Explain in the space provided or on a separate sheet how the existing use(s) of water will not interfere with any other existing legal use(s).

**23. PUBLIC WATER SYSTEM INFORMATION**

Check the appropriate box or boxes relating to your existing water system.