



**STATE OF HAWAII**  
**DEPARTMENT OF LAND AND NATURAL RESOURCES**  
**COMMISSION ON WATER RESOURCE MANAGEMENT**

APPLICATION FOR SURFACE WATER USE PERMIT FOR  
**PROPOSED NEW USE** IN A DESIGNATED SURFACE WATER  
 MANAGEMENT AREA

FORM SWUPA-N

- Application for New use  
 Application to Modify SWUP No. \_\_\_\_\_

For Official Use Only:

**RECEIVED**  
**COMMISSION ON WATER**  
**RESOURCE MANAGEMENT**

**2009 APR 23 PM 4:13**

SWUP. 2232.6

For detailed instructions on filling out this application form completely, refer to the attached instructions sheet.  
 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 HRS §174C-51(1)(B), 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 be stated as a joint applicant for the water permit.

1. APPLICANT'S NAME LAWRENCE AND DIANNAH GOO		Applicant's Contact DIANNAH GOO	2. SOURCE LANDOWNER'S NAME WAILUKU WATER COMPANY LLC		Source Landowner's Contact Avery Chumbley
Applicant's Mailing Address, or Principal Place of Business 2120 C Kahakili Hwy. Wailuku, HI 96793			Source Landowner's Mailing Address, or Principal Place of Business 255 East Waiko Road Wailuku, HI 96793		
Applicant's Phone	Applicant's Fax	Applicant's E-mail	Source Landowner's Phone (808) 244-7079	Source Landowner's Fax (808) 242-7068	Source Landowner's E-mail abc@aloha.net

**SOURCE INFORMATION**

3. SURFACE WATER HYDROLOGIC UNIT: Island: MAUI Hydrologic Unit: WAIHEE Hydrologic Unit Code: 6022

4. INSTREAM FLOW STANDARD (IFS) FOR HYDROLOGIC UNIT IF APPLICABLE: N/A

5. CAN YOUR PROPOSED USE(S) BE ACCOMMODATED WITHIN THE ABOVE AMOUNTS:  Yes  No  
 Explain how your proposed use(s) can be accommodated within the existing IFS for the above hydrologic unit:  
 See Attachment

6a. TMK OF PROPOSED STREAM DIVERSION LOCATION: 3 - 2 - 0 1 4 : 0 0 1  
Zone Sec Plat Parcel

6b. TMK OF PROPOSED DITCH DIVERSION LOCATION: 3 - 2 - 0 1 1 : 0 0 6  
Zone Sec Plat Parcel

7a. PROPOSED STREAM DIVERSION: How will water be diverted from the stream to your property? Check all that apply.  
 Pipe  Pump  Ditch/Auwai  Other Describe: See Attachment

7b. WILL THE DIVERTED WATER BE RETURNED TO THE STREAM OR DITCH?  
 Yes. How much water will be returned? See Attachment  
 No

8. PROPOSED FLOW MEASUREMENT INFORMATION:  
 Will the stream diversion have a flow meter with totalizer or other device to measure diverted amounts?  
 Yes. List the manufacturer and describe the device.  
 No. Explain how stream diversion will be measured or estimated to justify amounts requested in the space below.  
 See Attachment

**PROPOSED USE INFORMATION** HRS §174C-51(4), (5), (8)

9. TOTAL QUANTITY OF WATER REQUESTED: 138,000 gallons per day. See Table 1, Item 14.

10. PROPOSED USE: Check all that apply.  Agriculture  Domestic  Industrial  
 See Table 1, Item 1.  Irrigation  Military  Municipal

11. LOCATION OF PROPOSED WATER USE: Show the location of the proposed use on the same USGS and TMK maps as the proposed source location. Otherwise, attach similar maps. See Table 1, Item 2.

**PROPOSED USER INFORMATION**

12. APPURTENANT RIGHT: Do you claim an appurtenant right for your proposed water use?  Yes  No  
 If yes, has the appurtenant right been established by the courts or the Commission?  Yes  No

13. PROPOSED END USER INFORMATION: Will you be an end user on an existing water system?  
 Yes. List the name of the system operator: Wailuku Water Company  No

14. REGISTRATION AND DECLARATION OF WATER USE: Do you have a Registration and Declaration of Water Use from the Commission?  
 Yes. List the file reference name(s): GOO E&C  No

15. STREAM DIVERSION WORKS PERMIT (SDWP): Do you have a SDWP from the Commission?  
 Yes. List the permit number(s):  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, additional 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.

16. APPLICANT  Signature DIANNAH GOO Print Date 4/4/09	17. SOURCE LANDOWNER Signature Date
---	---

FILE ID: SWUP. 2232.6  
 DOC ID: 3236

**APPLICATION FOR SURFACE WATER USE PERMIT - PROPOSED NEW USE**

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

LAND USE CONSISTENCY					EFFICIENCY OF USE								
1	2				3	4	5	6	7	8	9	10	11
PURPOSE / WATER USE CATEGORY	TMK FOR PROPOSED LOCATION OF USE ATTACH THE FOLLOWING: • Property tax map, showing proposed location of use referenced to established property boundaries. • Photograph of the area of proposed use.				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	GPDAUNIT or GPDIACRE (Gallons per Day)	REQUESTED QUANTITY OF USE (GPD)	SUB-METERED? Check Yes or No	APPLICANT'S JUSTIFICATION FOR REQUESTED QUANTITY OF USE FOR ITEM 9. If applicable, attach sheets to show how this number was calculated. For irrigation uses, fill in Table 2.
<b>Uses that require potable (drinking) water</b>													
	Zone	Sec	Plat	Parcel		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Zone	Sec	Plat	Parcel		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Zone	Sec	Plat	Parcel		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Zone	Sec	Plat	Parcel		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>TOTAL POTABLE USE</b>											0	GPD	
<b>Uses that do not require potable water</b>													
AGRCP	3	2	0 2 2	0 7 8	URBAN	<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input checked="" type="checkbox"/> No	R-3	<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input checked="" type="checkbox"/> No	0.23	300,000	69,000	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attachment
AGRCP	3	2	0 2 2	0 7 9	URBAN	<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input checked="" type="checkbox"/> No	R-3	<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input checked="" type="checkbox"/> No	0.23	300,000	69,000	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attachment
	Zone	Sec	Plat	Parcel		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Zone	Sec	Plat	Parcel		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved: / / <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>TOTAL NON POTABLE USE</b>											138,000	GPD	
<b>TOTAL QUANTITY OF WATER REQUESTED (Sum of Total Potable Use and Total Non-Potable Use above) =</b>											138,000	GPD	
15. Please explain if there are any limitations (legal, contractual, etc.) on the use(s) of water described above. §174C-51(5) HRS N/A													

**APPLICATION FOR SURFACE WATER USE PERMIT - PROPOSED NEW USE**

**TABLE 2: IRRIGATION INFORMATION**

List all crops that will be grown as separate line items and include landscape and golf course irrigation.  
Attach additional copies of Table 2 if necessary.

1										2	2	4	5	6	7	8	
TMK OF PROPOSED LOCATION OF USE (Attach TMK map outlining area and photos for each proposed 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.)	
3	-	2	-	0	1	1	:	0	7	8	Wetland kalo	0.23	0.23	Annual	Annual	Flood (taro)	Irrigate to capacity
3	-	2	-	0	1	1	:	0	7	9	Wetland kalo	0.23	0.23	Annual	Annual	Flood (taro)	Irrigate to capacity
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										
	-		-				:										

**9. COMMENTS:**

**APPLICATION FOR SURFACE WATER USE PERMIT - PROPOSED NEW USE**

**TABLE 3: ALTERNATIVES ANALYSIS AND ADDITIONAL REQUIREMENTS**

	<b>A. Analysis of Potable Alternatives (Attach additional sheets if necessary.)</b>	<b>B. Analysis of Non-Potable Alternatives (Attach additional sheets if necessary.)</b>
Municipal sources	N/A	See Attachment
Wastewater reuse	N/A	See Attachment
Ditch system	N/A	See Attachment
Desalinization	N/A	See Attachment
Ground water	N/A	See Attachment
Other (specify)	N/A	See Attachment

**C. ADDITIONAL REQUIREMENTS:**

**PUBLIC INTEREST** 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.*

1. Explain below how your proposed new 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 above.  
See Attachment

2. Explain below how your proposed new use(s) will not interfere with any existing legal use(s).  
See Attachment

3. Explain below how your proposed new 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.  
See Attachment

# APPLICATION FOR SURFACE WATER USE PERMIT PROPOSED NEW USE

## INSTRUCTIONS

This application form is for **new surface water uses** or for a modification of a previously approved water use permit in designated surface water management areas. New surface water uses are proposed uses after the effective date of designation of the surface water management area. Please check the appropriate box.

**Do not use this form for existing surface water use applications.** Existing surface water uses are actual uses before the effective date of designation. Please use Form SWUPA-E for existing uses.

Most questions can be addressed by visiting our website at: [www.hawaii.gov/dlnr/cwrm](http://www.hawaii.gov/dlnr/cwrm), or contacting us at 587-0234, or by email at: [dlnr.cwrm@hawaii.gov](mailto:dlnr.cwrm@hawaii.gov). The current application forms are also available at: [www.hawaii.gov/dlnr/cwrm/resources\\_permits.htm](http://www.hawaii.gov/dlnr/cwrm/resources_permits.htm).

### REQUIREMENTS FOR A COMPLETE APPLICATION

1. Fill in the most recent application form. A current form is available at our web site or by contacting us at 587-0234.
2. Print in ink or type in the information on the application.
3. Fill in every item in the application form (page 1) and Tables 1, 2, and 3 as it relates to your proposed new use or permit modification.
4. Enclose a check for the non-refundable filing fee of \$25 payable to: Department of Land and Natural Resources. Government agencies are not required to pay the filing fee.
5. Pay for the cost of publishing any required public notices related to your application. The current cost for publishing public notices is approximately \$400.00. Commission staff will provide instructions later in the permit process regarding payment of these costs.
6. Mark the source and end use locations on the appropriate USGS quad map (scale 1:24,000) and property tax (TMK) map and attach these maps to your application.
7. Attach photos showing your existing diversion, measuring device(s) (if applicable) and end use areas.
8. Sign the application form in ink. Both the applicant and the landowner where the source is located must sign the application form.
9. Submit the original application and **15 copies** of the application form and all attachments (maps, photos and any other attachments) and filing fee to: Commission on Water Resource Management, P.O. Box 621, Honolulu, HI 96809.

### ADDITIONAL REQUIREMENTS FOR A COMPLETED APPLICATION

Per Hawaii Revised Statutes §174C-49, the applicant must establish that the proposed new use of surface water:

1. Can be accommodated with the available water source.
2. Is a reasonable-beneficial use.\*
3. Will not interfere with any existing legal use of water.
4. Is consistent with the public interest.\*\*
5. Is consistent with state and county general plans and land use designations.
6. Is consistent with county land use plans and policies.
7. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in Section 221 of the Hawaiian Homes Commission Act.

\*HRS §174C-3 of the State Water Code states: "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.

\*\*HRS §174C-2(c) of the State Water Code states that: (1)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.

**NOTE:** Filling in the application form and Tables 1, 2, and 3 completely will address the requirements of HRS §174C-49.

### LINE BY LINE INSTRUCTIONS ON APPLICATION

#### 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(I)(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'S NAME:** 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'S NAME:** Fill in the information for the landowner of the property where the existing surface water diversion works is located.

#### SOURCE INFORMATION

3. **SURFACE WATER HYDROLOGIC UNIT AND CODE:** Enter the appropriate island, hydrologic unit name, and hydrologic code where the proposed 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 available on the CWRM website at: <http://www.hawaii.gov/dlnr/cwrm/>, or contact CWRM staff at (808) 587-0234. You may also contact CWRM toll-free from Maui at: 984-2400, ext. 70234.

**APPLICATION FOR SURFACE WATER USE PERMIT  
PROPOSED NEW USE**

4. **INSTREAM FLOW STANDARD (IFS) FOR HYDROLOGIC UNIT:** Provide Instream Flow Standard (IFS) for hydrologic unit if available.
5. **CAN YOUR PROPOSED USE BE ACCOMMODATED WITHIN THE ABOVE AMOUNTS:** Check "Yes" or "No". Explain how your proposed use(s) can be accommodated within the Instream Flow Standard (IFS) for the above hydrologic unit.
- 6a. **TMK OF PROPOSED STREAM DIVERSION LOCATION:** Fill in the Tax Map Key (TMK) number of the tax parcel where the stream diversion will be 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 4-6 = Plat, Digits 7-10 = 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/)
- 6b. **TMK OF PROPOSED DITCH DIVERSION LOCATION:** Fill in the Tax Map Key (TMK) number of the parcel where the proposed ditch diversion will be located.
- 7a. **PROPOSED STREAM DIVERSION:** How will water be diverted from the stream to your property? Check all the appropriate box(es).
- 7b. **WILL THE DIVERTED WATER BE RETURNED TO THE STREAM OR DITCH?** Check "Yes" or "No." If yes, enter the amount of water to be returned.
8. **PROPOSED 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 will be measured or estimated to justify amounts requested.

**PROPOSED USE INFORMATION (HRS §174C-51(4), (5), (6))**

9. **TOTAL QUANTITY OF WATER REQUESTED:** Enter the amount of water requested as gallons per day (GPD). Fill out Table 1 and enter the amount in Box 14, "Total Use Requested."
10. **PROPOSED USE:** Check all the boxes that apply for the proposed use. Refer to the instructions for Table 1: Land Use Consistency/Efficiency of Use, Item 1: Purpose/Water Use Category below to determine which water use category to use.
11. **LOCATION OF PROPOSED WATER USE:** Show the location of the proposed use on the same USGS and TMK maps as the proposed source location. Otherwise, attach similar maps and show the location of the proposed use.

**PROPOSED USER INFORMATION**

12. **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 proposed water use? Check "Yes" or "No." If yes, has your appurtenant right been established by the courts or the Commission? Check "Yes" or "No."
13. **PROPOSED 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.
14. **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).
15. **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."
16. **APPLICANT:** Sign and print your name, and date your application.
17. **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)

**TABLE 1: LAND USE CONSISTENCY / EFFICIENCY OF USE**

Provide information on all of the proposed 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 proposed water use(s), as required by §174C-51(5), HRS.

- i. **PURPOSE / WATER USE CATEGORY:** For each proposed 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
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

**APPLICATION FOR SURFACE WATER USE PERMIT  
PROPOSED NEW USE**

<b>INDUSTRIAL</b>	
INDEL	Geothermal, Thermoelectric Cooling, Power Development
INDFP	Fire Protection
INDMI	Mining, Dust Control
INDOTH	Industrial – Other
<b>IRRIGATION</b>	
IRRG	Golf Course
IRRH	Habitat Maintenance
IRRHOT	Hotel
IRRLA	Landscape/Water Features
IRROTH	Other
IRRPCA	Parks
IRRSC	Schools
<b>MILITARY</b>	
MIL	Military
<b>MUNICIPAL</b>	
MUNCO	County
MUNPR	Privately owned and operated but defined as a public system by the Department of Health
MUNST	State

2. 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 a TMK map(s) for the lots showing the boundaries of irrigated acreage, etc., as well as a photograph of the area of use.
3. STATE LAND USE DISTRICT: To find out the current Land Use District, contact the Land Use Commission at 587-3822.
4. 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 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 587-0328 to find out if a CDUP is required.
5. COUNTY ZONING CODE: To find out the Zoning Code for Na Wai Eha, contact Maui County Department of Planning at 270-6279 or 270-7253.
6. 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 at 270-8205.
7. 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.
8. 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 #1.
9. REQUESTED QUANTITY OF USE (GPD): Enter the requested 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.
10. 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.
11. APPLICANT'S JUSTIFICATION FOR QUANTITY OF REQUESTED USE FOR ITEM #9: Explain how you are justifying the amount(s) you are requesting for Item #9. Attach additional copies of Table 1 if necessary to show how this number was calculated. For irrigation uses, fill in Table 2.
12. TOTAL POTABLE USE: Add the quantities listed in the column above for potable water and enter the total potable use in gallons per day (GPD) here.
13. TOTAL NON-POTABLE USE: Add the quantities listed in the column above for uses that do not require potable water and enter the total non-potable use in gallons per day (GPD) here.
14. TOTAL QUANTITY OF WATER REQUESTED: Add the requested amounts listed on Box 13 and Box 14 and enter the total requested amount of both potable and non-potable uses here.
15. Please explain if there are any limitations (legal, contractual, etc.) on the use(s) of water described above. HRS §174C-51(5)

**TABLE 2: IRRIGATION INFORMATION**

On Table 2, provide the information requested for all the crops you are proposing to grow, 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 proposed or modified irrigation uses you are applying for must be listed. Attach additional copies of Table 2, if necessary.

1. USE TAX MAP KEY (TMK): Enter the parcel number where the crop will be grown. Also attach a property tax map with an outline around the area(s) of proposed use(s) and a photograph of each area of the proposed use.
2. CROP: Enter the crop type.
3. TOTAL ACREAGE: Enter the total acreage of the parcel listed.
4. NET IRRIGATED ACREAGE: Enter the acreage that the specific crop will be grown.
5. BEGIN GROWTH PERIOD (MONTH): This is the month of the start of the growth cycle.
6. END GROWTH PERIOD (MONTH): This is the month of the end of the growth cycle.
7. IRRIGATION SYSTEM: Enter one of the following:

TRICKLE, DRIP  
TRICKLE, SPRAY  
MULTIPLE SPRINKLERS

**APPLICATION FOR SURFACE WATER USE PERMIT  
PROPOSED NEW USE**

SPRINKLER, CONTAINER NURSERY  
SPRINKLER, LARGE GUNS  
SEEPAGE, SUBIRRIGATION  
CROWN FLOOD  
FLOOD (TARO)  
OTHER – Please describe in the space provided for Comments.

8. 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.

**TABLE 3: ALTERNATIVES ANALYSIS AND ADDITIONAL REQUIREMENTS**

- A. ALTERNATIVES ANALYSIS: Please address each alternative and explain why they are or are not available for potable needs. Other alternatives on the last line may include stormwater reclamation, rainwater catchment, etc. that are not already listed above.

- B. ALTERNATIVES ANALYSIS: Please address each alternative and explain why they are or are not available for non-potable needs. Other alternatives on the last line may include stormwater reclamation, rainwater catchment, etc. that are 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.*

C. **ADDITIONAL REQUIREMENTS**

1. Explain how your proposed new 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.*

2. Explain how your proposed new use(s) will not interfere with any existing legal use(s).

3. Explain how your proposed new 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. See below. To inquire about potential interference, you may contact the Department of Hawaiian Home Lands Planning Office at 586-3836.

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.*

## **Attachment**

### **Exhibits:**

Appended hereto as Exhibit A is a copy of the 7.5 minute-series USGS topographic map with Waihe`e River and Waihe`e and Spreckels Diversions labeled. Exhibit B is a TMK map showing the location of our properties showing the general flow of the `auwai and the area of end use. Exhibit C contains true and correct copies of photographs of our `auwai diversion and areas of proposed use. Exhibit D is described below.

### **Supplemental Information for Box 2: Source Landowner**

Not applicable pursuant to HRS § 174C-51(1)(B), because applicant does not have a terminable interest in the land which is the source of the permitted water. According to the Water Commission's records, which have not been verified, Wailuku Water Company claims to be the source landowner.

### **Supplemental Information for Box 5: Stream Diversion**

We are kuleana users along the kuleana `auwai that runs to the south of Waihe`e River. Water is diverted from Waihe`e River at the Waihe`e and Spreckels diversions (see attached USGS topo map). All the water from the Spreckels diversion enters the Spreckels Ditch, as does some water from the Waihe`e diversion. The South Waihe`e kuleana `auwai receives water via a pipe in the Spreckels Ditch. The pipe empties into an open `auwai on the south side of Waihe`e River. The water continues makai through Waihe`e in the ditch and pipes then crosses under Kahekili Highway and onto our land at TMK No. 3-2-011:006 in an open ditch.

Our `ohana currently uses some water from this `auwai for domestic purposes (see concurrently filed SWUPA-E), but we intend to use additional water to grow wetland kalo on 20,162 square feet. We will grow our kalo in the traditional method in lo`i kalo. Except for what evaporates or seeps into the soil, the water we use will return to the `auwai.

### **Box 7: Appurtenant Rights**

Our property has appurtenant rights because it was in kalo cultivation at the time of the Māhele of 1848. Attached hereto as Exhibit D are true and correct copies of Māhele records for Land Commission Award No. 8366, Royal Patent No. 5327, and supporting testimony indicating the land was in kalo. We have no evidence, indication, or any other reason to believe that our appurtenant rights have been extinguished. This application should be granted pursuant to HRS § 174C-63.

**Table 2, Box 10: Justification for Requested Quantity**

We estimated our proposed water use of 138,000 gallons per day for wetland kalo cultivation by multiplying the amount of land on which we intend to grow wetland kalo (0.46 acres) by 300,000 gallons, the average amount of water we understand is required to grow healthy wetland kalo.

**Table 4: Alternatives Analysis**

Because our land has appurtenant rights to stream water, which is in the nature of an easement that was conveyed with the land at the time of the Māhele, we do not need to demonstrate that we have no practicable alternative source of water. Our appurtenant right is for stream water, not to water from some other source, and our exercise of this appurtenant right enjoys maximum protection and first priority under the law.

Moreover, even if we did not have protected rights to stream water, there is no potentially available alternative source that is economically practicable. We intend to cultivate kalo on our land for cultural and subsistence purposes; the kalo we grow will feed our `ohana and will be shared with neighbors and community members. An alternative water source that would require us to pay for the volumes of constantly flowing water in our lo`i necessary to keep temperatures cool and support healthy kalo would make our practice economically impossible. We would effectively be denied our appurtenant right and traditional and customary right to grow kalo on our land. As shown below, each potentially available alternative water source imposes a cost on exercising our protected rights.

**Municipal Sources.** Our domestic water service is a typical residential service and does not have the capacity to deliver the volumes of water we require for kalo cultivation. Even if the Maui County Department of Water Supply were willing to provide municipal water for kalo cultivation by installing a larger water meter, the cost of using municipal water for such purposes would be prohibitive. Additionally, water from the Maui County Department of Water Supply is chlorinated, which is detrimental and unsuitable for wetland kalo.

**Wastewater reuse.** Reusing wastewater is impracticable. As a small user engaged in traditional uses, we do not have the means to hookup to and use that water. The closest wastewater treatment plant is in Kahului.

**Ditch system.** We are currently using water from an existing `auwai. Getting water from other ditch systems is not practicable. First, the other ditch systems in Nā Wai `Ehā do not consistently have enough water to support additional users. Second, we lack the property, access, permissions and funding necessary to permit and construct an additional ditch diversion. As a small user engaged in traditional uses, the cost of taking water from or constructing another ditch is not practicable.

**Desalinization.** Desalinization of brackish water is not a practicable alternative because we are not aware of any such plant having been built on Maui. According to the County's estimates, a plant is expected to be built in 2013 at the earliest.

**Ground Water.** Even if we were able to secure the permits necessary to drill a well and pump ground water for our uses, installing and operating such a well for our kalo cultivation would be unprecedented and extremely burdensome. As a small user engaged in traditional uses, we do not have the means to install and maintain such infrastructure.

### **Table 3, Section C: Additional Requirements**

#### **1) Our proposed new use will maximize beneficial use and is in the public interest**

HRS § 174C-2(c) provides that the protection of traditional and customary Hawaiian rights, agriculture, and the maintenance of proper ecological balance and scenic beauty are "in the public interest." The water we are requesting is for kalo cultivation, grown in the traditional way and for use in our home. We are Native Hawaiians engaged in traditional agricultural practices, and our crops help maintain ecological balance and scenic beauty. As such, our proposed use of stream water is consistent with the public interest.

#### **Our Proposed Use is a Protected Public Trust Purpose**

Kalo cultivation by Native Hawaiians is also a protected public trust purpose. In re Waiāhole Ditch Combined Contested Case, 94 Hawai'i 97, 137, 9 P.3d 409, 449 (2000) ("Waiāhole I"); see also Haw. Const. art XII, § 7 (protecting traditional and customary Native Hawaiian rights); HRS § 174C-101(c) (specifically protecting the right to cultivate kalo on one's own kuleana). Additionally, the exercise of appurtenant rights is a protected public trust purpose. Waiāhole I, 94 Haw. at 137 n.34, 9 P.3d at 449 n.34.

#### **Our Proposed Use is a "Reasonable-Beneficial Use"**

"Reasonable-beneficial use" is defined as "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 public interest." HRS § 174C-3. Our proposed use of stream water is consistent with state and county land use plans and the public interest. It will also be "economic and efficient" because we will only use the amount we need. We will take steps to make our water use efficient. For instance, we will use pipes and concrete-lined 'auwai where appropriate to minimize water loss, and our farming practices will include the use of mulch to protect the soil from erosion and minimize the use of water. Therefore, the water we have requested is for a "reasonable-beneficial use."

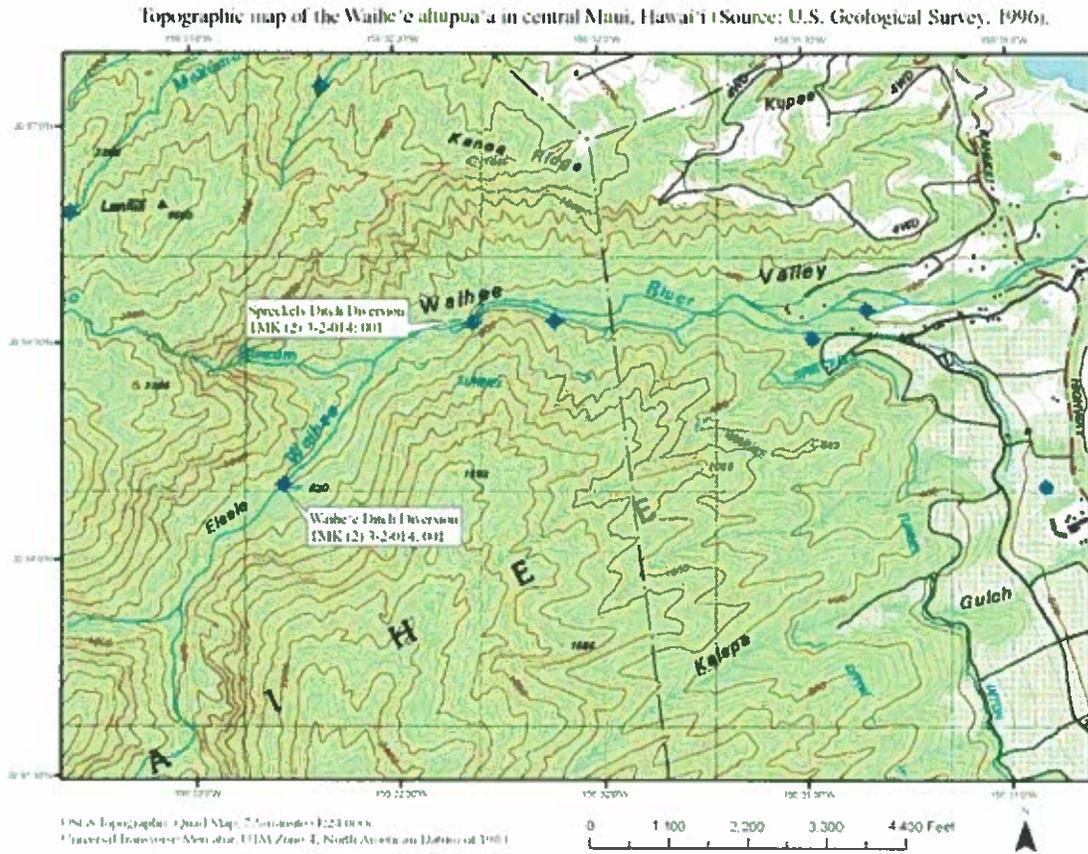
**2) Our proposed use(s) will not interfere with any existing legal use**

Our proposed use will not interfere with existing legal uses. As kuleana users, we have first priority by law. We believe the flow of Waihe`e River is able to accommodate our new use.

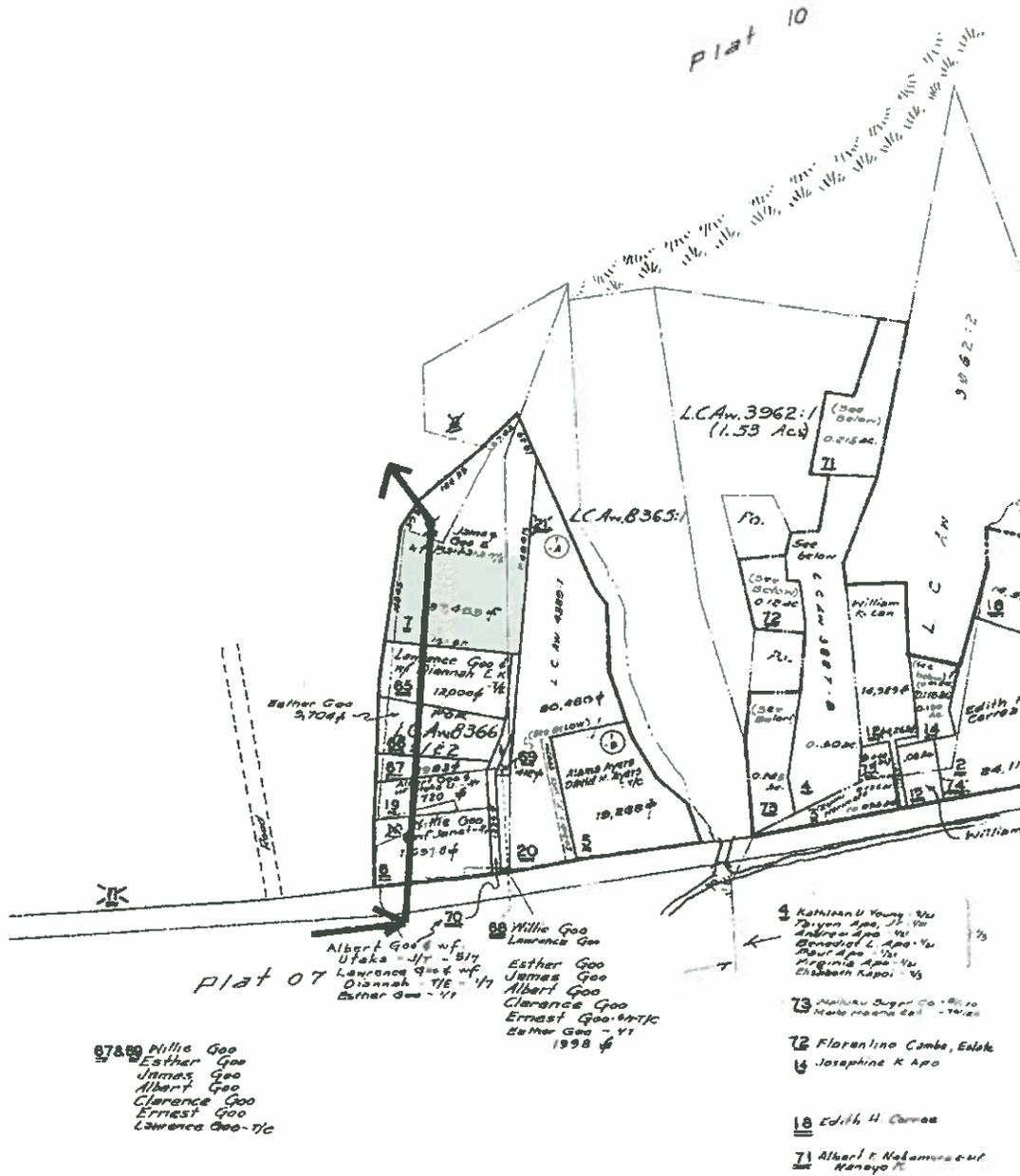
**3) Our proposed use will not interfere with the rights of the Department of Hawaiian Home Lands**

We are not aware of any DHHL lands using water from Waihe`e River. To the best of our knowledge, DHHL has not filed an application to use water from this source. While we are aware that DHHL has outstanding reservations for municipal water meters in Central Maui, our use will not interfere with those reservations, which are largely served by ground water sources. Instead, our proposed use will actually help to protect DHHL's rights because the vast majority of the water that we have requested will be returned to the `auwai and will help recharge the aquifer, protecting the health of the aquifer system for DHHL's present and future ground water uses.

**Exhibit A: USGS map with Waihe'e River and Waihe'e and Spreckels Diversions labeled**



**Exhibit B: TMK Map with 'auwai location and water use area referenced**



UKU, MAUI.

**Exhibit C: Photographs of `auwai and area of portion of proposed end use area**











No. 8365 - KALUA Waihee, Jan. 13, 1848 Page 462

I have 15 lo'i and two kula. On the east is a kula, there my house stands. On the west is a kula, from thence comes the water, from the land of Kiha.

KALUA

No. 8366 - KAPUA Waihee, Jan. 13, 1848

I have 17 lo'i of my own. 5 lo'i are from Pale, a total of 23 lo'i. Two kula are on the east, a total, with the lo'is, of 25 parcels.  
/Translator's note: 17 + 5 = 22/.

KAPUA

No. 8390 - KALOLOU Honolulu, Feb. 12, 1848

Page 463

To the Land Commissioners, Greetings: As in the Law and the command for the claimants to tell their claims: 1/2 of Suueo, Kau, Hawaii.

See P. 553

KALOLOU

No. 8423 - KEKUAPIO

I, Kekuapio am a claimant of a house site in Lahaina at Alapai. In the land of Fuako are two lo'i, that is my claim.

KEKUAPIO

No. 8458 - KAILIHIWA Wailuku, Feb. 10, 1848

Greetings to the Land Commissioners: I, Kailihiwa, have a lot in Lahaina, from the lo'i. The name of this claim is Molakia.

KAILIHIWA

No. 8459 - KUAELE Wailuku, Jan. 18, 1848

Greetings to the Land Commissioners: I hereby tell of my lo'is in the 'ili of Pohaku and Kapalaalaea.

At Pohaku are 12 lo'i. 10 are in one place, 2 are in another place of this 'ili. The 10 are situated as follows: on the north is a watercourse, on the east is the land of Fookie, on the south is the land of Kanakanui, on the west is the land of Kaiole. The 2 lo'i are bounded on the north by a po'alima, on the east and south by the land of Moo, on the west by the land of Makalele. These were received in 1828 from Ehu.

Page 464

5 lo'i are in Kapalaalaea, bounded on the north by the po'alima of Kalawalahonu, on the east by the land of Naai, on the south by a watercourse, on the west by the land of Pahoa. I received them from Naai in 1838.

KUAELE

No. 2412 Kauhi (cont.)

Section 3 - 4 Taro patches at Ahuakolea  
 Mauka and Kahakuloa Stream  
 Makai Paihi  
 Wailuku Stream

Section 4 - 3 Taro patches at Waipae 2  
 Mauka Kaalepo  
 Kahakuloa Land enclosure  
 Makai Kaikinohopono  
 Wailuku Kaalepo

Section 5 - Taro moo at Puulolo  
 Mauka Paahao patch  
 Kahakuloa Mookahi ili  
 Makai Kahanu  
 Wailuku Kahananui

First section from Luhia  
Section 2 from Z. Keauwai  
Section 3 from Anadarea in 1843  
Section 4 from Kawahalea  
Section 5 from Kapawa in 1843  
Kauhi's illness incapacitated him from Poalima work.

Page 259

No. 2654 Kahalewai Wailuku, July 25, 1849

Z. Keauwai sworn He Has seen 1 section in Puanea 1 ili at Waihee, 4 taro mocs are there. Land from Kuaiki in 1839, no objection. Kahalewai died in 1848, his wife Kamiki is his heir.

Mauka	Land enclosure
Kahakuloa	Wm. Kokami
Makai	Prisoners' patch
Wailuku	Kuaiki

No. 8366 Kapua July 25, 1849

Keahi sworn He has seen 2 sections at Makeaka ili in Waihee. \*Land from Wahine-Pg.260 lua long ago at the time of Kam II, two poalimas in section 2, no objection.

Section 1 - Taro pauku and pasture  
 Mauka Land enclosure  
 Kahakuloa Kamahaku  
 Makai Punone  
 Wailuku Palea

Section 2 - Taro pauku and pasture  
 Mauka, Kahakuloa and makai Palea  
 Wailuku Kalua

No. 9256 Kawaha July 25, 1849

Kawaha has no claim in this grant 9256.

No. 4063 Kanehekili July 25, 1849

Makaele sworn He has seen 1 taro section in ili of Waiakamaona in Waihee. Land from Naea in 1832, no objection. 8 Poalimas in Kanehekili's moo.

Mauka	Naea's poalima
Kahakuloa	Kawelohilii
Makai	Land enclosure
Wailuku	Stone wall

Waialeale 21

No. 2 is bounded by the Duke's land, Waialeale, by the  
 back of Makai; by the side of Waialeale, by the side  
 No. 3 is bounded by the Duke's land, Waialeale, by the same  
 Makai; by the side of Waialeale, by the side  
 No. 4 is bounded by the Duke's land, Waialeale, by the  
 Government Lot, Makai; by the side of Waialeale, by the side  
 No. 5 is bounded by the Duke's land, Waialeale, by the  
 side of Waialeale, Makai; by the side of Waialeale, by the side  
 No. 97 & 15

Waialeale July 25<sup>th</sup> 1849

C. 2654 Waialeale

No. 1 is a portion of the land of the Duke in the side  
 of Waialeale, Makai, all in one piece. The claimant received it from  
 Waialeale in the year before 1849. His title has since been disjuncted by  
 his death in 1849, and his wife's title is his heir. There are no  
 further titles in it. These titles are Waialeale, Makai.

No. 2 is bounded by the Duke's land, Waialeale, by the side  
 of Waialeale, Makai; by the Duke's land, Waialeale, by the side

C. 2366 Waialeale

No. 1 is a portion of the land of the Duke in the side  
 of Waialeale, Makai.

No. 2 is a portion of the land of the Duke in the side  
 of Waialeale, Makai. His title has since been disjuncted from  
 the side of Waialeale, Makai, and is in the side

No. 3 is bounded by the Duke's land, Waialeale, by the side  
 of Waialeale, Makai; by the Duke's land, Waialeale, by the side  
 of Waialeale, Makai; by the Duke's land, Waialeale, by the side

No. 4 is bounded by the Duke's land, Waialeale, by the side  
 of Waialeale, Makai; by the Duke's land, Waialeale, by the side  
 of Waialeale, Makai; by the Duke's land, Waialeale, by the side