ORIGINAL

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 NA WAI EHA, MAUI, SURFACE WATER MANAGEMENT AREAS

FORM SWUPA-E (NA WAI EHA, MAUI)

For detailed instructions on filling out this application, refer to the attached instructions.

For Official Use Only:
RECEIVED
COMMISSION ON WATER RESOURCE MANAGEMENT
2009 APR 21 AM 9:57

Event ID:

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	Applicant's Contact	2. SOURCE LANDOWNER'S NAME	Source Landowner's Contact
Heinz Jung & Cecilia Chang	Heinz Jung & Cecilia Chang	Wailuku Water Company	Clayton Suzuki

Applicant's Mailing Address, or Principal Place of Business	Source Landowner's Mailing Address, or Principal Place of Business
P.O. Box 1211 Wailuku, HI 96793-6211	255 East Waiko Road Wailuku, Hi 96793

Applicant's Phone	Applicant's Fax	Applicant's E-mail	Source Landowner's Phone	Source Landowner's	Source Landowner's E-mail

[redacted]

EXISTING SOURCE INFORMATION

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 locations and quad map name.
- Property Tax Map Key (TMK), showing stream or diversion location, and location of water use referenced to established property boundaries.
- Photograph(s) of the surface water diversion works and end use.

3. SURFACE WATER HYDROLOGIC UNIT AND CODE: ☒ Waihee/6022 ☐ Waiehu/6023 ☐ Iao/6024 ☐ Waikapu/6001

4. DIVERSION LOCATION: Choose the appropriate category and enter information in either 4a or 4b.

4a. TMK OF STREAM DIVERSION LOCATION: 3 (Zone) - 2 (Sector) - 14 (Plat) : 1 (Parcel)

4b. TMK OF DITCH DIVERSION LOCATION: 3 (Zone) - 2 (Sector) - 17 (Plat) : 18 (Parcel)

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

☒ Pipe ☐ Pump ☒ Ditch/auwai ☒ Other Describe: Reservoir

Is the diverted water returned to the stream or ditch? ☐ Yes. ☒ No. If yes, how much water is returned?

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: Waihee Ditch/6022 Installed 1907

Describe the device and enter measured amounts in Table 1. Weir With 24 Hour Gauge

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

One & Half inch, Master Meter Water Meter, Serial #2166777, Installed 1/2003

EXISTING USER INFORMATION

7. APPURTENANT RIGHT: Do you claim an appurtenant right for your water use? ☐ Yes ☒ No

If yes, has the appurtenant right been established by the courts or the Commission? ☐ Yes ☐ No

8. END USER INFORMATION: Are you an end user on an existing water system? ☒ Yes ☐ No

If yes, who is the operator of the water system? Wailuku Water Company

9. REGISTRATION AND DECLARATION OF WATER USE: Do you have a Registration and Declaration of Water Use with the Commission?

☐ Yes. List the file reference name(s):

☒ No

10. STREAM DIVERSION WORKS PERMIT (SDWP):

Have you ever been issued a SDWP by 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, 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.**

11. APPLICANT	12. SOURCE LANDOWNER
Heinz Jung Cecilia Chang Signature	Signature
Heinz Jung & Cecilia Chang Print	Print
4/20/09 Date	Date

SURFACE WATER USE PERMIT APPLICATION
EXISTING USE (NA WAI EHA, MAUI)

TABLE 1: 12-MONTH AVERAGE DAILY USE

Measured or Calculated Use of Water at the Source: (Check one) ☐Stream ☒Ditch ☐Auwai

As of the Effective Date of Designation, April 30, 2008

MONTH / YEAR	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	
May 2007	729	☒	☐	☐	☐	
June 2007	763	☒	☐	☐	☐	
July 2007	810	☒	☐	☐	☐	
August 2007	832	☒	☐	☐	☐	
September 2007	737	☒	☐	☐	☐	
October 2007	845	☒	☐	☐	☐	
November 2007	223	☒	☐	☐	☐	
December 2007	6	☒	☐	☐	☐	
January 2008	329	☒	☐	☐	☐	
February 2008	1,534	☒	☐	☐	☐	
March 2008	719	☒	☐	☐	☐	
April 2008	673	☒	☐	☐	☐	
SUM OF AVERAGE DAILY USE FOR THE MONTH	8,202	**GPD**				
AVERAGE DAILY USE (Average of the above)	684	**GPD**				

SURFACE WATER USE PERMIT APPLICATION
EXISTING USE (NA WAI EHA, MAUI)

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

LAND USE CONSISTENCY						EFFICIENCY OF USE			
1. PURPOSE / WATER USE CATEGORY	2. USE TMK ATTACH THE FOLLOWING: • Property tax map, showing use location in reference to established property boundaries • Photograph of the area of use	3. STATE LAND USE DISTRICT	4. CDUP REQ'D Enter either: Yes and Date approved, or Yes and not acquired, or No	5. COUNTY ZONING CODE	6. SMAP REQ'D Enter either: Yes and Date approved, or Yes and not acquired, or No	7. REQUESTED QUANTITY OF USE Gallons per Day (GPD)	8. SUB-METERED? (Yes or No)	9. UNITS OR NET ACREAGE	10. APPLICANT'S JUSTIFICATION FOR REQUESTED QUANTITY OF USE FOR ITEM 7. If applicable, attach sheets to show how this number was calculated. For irrigation uses, fill in Table 3.
Uses that require **potable** (drinking) water									
	___ - ___ - ___ : ___ Zone Sector Plat Parcel								
	___ - ___ - ___ : ___ Zone Sector Plat Parcel								
	___ - ___ - ___ : ___ Zone Sector Plat Parcel								
	___ - ___ - ___ : ___ Zone Sector Plat Parcel								
					TOTAL POTABLE USE		**GPD**		
Uses that **do not** require potable water									
DOM	3 - 2 - 16 : 001 Zone Sector Plat Parcel	Rural	N	RU-0.5	N	684	N	.50	Water used to irrigate fruit, flower, herb and landscape plants for domestic use only
	___ - ___ - ___ : ___ Zone Sector Plat Parcel								
	___ - ___ - ___ : ___ Zone Sector Plat Parcel								
	___ - ___ - ___ : ___ Zone Sector Plat Parcel								
					TOTAL NON-POTABLE USE	684	**GPD**		
					TOTAL USE REQUESTED (Sum of Total Potable Use and Total Non-Potable Use above) =	684	**GPD**		

If total use requested is not equal to the total monthly average in Table 1, please explain.

In accordance with §174C-51(5), please explain if there are any limitations (legal, contractual, etc.) on the use(s) of water described above.

SURFACE WATER USE PERMIT APPLICATION
EXISTING USE (NA WAI EHA, MAUI)

TABLE 3: IRRIGATION INFORMATION

List all crops as separate line items and include landscape and golf course irrigation, grown in the 12 months prior to April 30, 2008. Attach additional copies of Table 3 if necessary.

1. USE TAX MAP KEY (TMK) Attach map outlining area and photo.	2. CROP	3. TOTAL ACREAGE	4. NET IRRIGATED ACREAGE	5. BEGIN ROWTH PERIOD (Month)	6. END GROWTH PERIOD (Month)	7. IRRIGATION SYSTEM (Refer to instructions.)	8. IRRIGATION PRACTICE (Refer to instructions.)
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Fruit trees- 6 fig, 3 mango, 1breadfruit, 1 lychee, 16 coconut, 16 coconuts	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Fruit Trees - 2orange, 2 lime, 1tangerine, 25 banana, 1 avacado, 1 kukui nut	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Fruit Trees - 1 kumquat	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Palms - 12 Manila, 3Travellers, 3 Areca, 1Triangular, 1 Bottle	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Garden - 75 ti, 2 croton, 3 song of india,	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Vegetables - squash, tomato, eggplant, cofee, pumpkin	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Flowers - 2 plumeria, 15 hanging heleconia, 3 bird of paradise, periwinkles	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
3 - 2 - 16 : 001 (Zone - Sector - Plat : Parcel)	Herbs - basil, green onions, taragon, chives, mint	.683	.50			multiple sprinklers/other-hand water	irrigate to field capacity
- - : (Zone - Sector - Plat : Parcel)							
- - : (Zone - Sector - Plat : Parcel)							

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EXISTING USE (NA WAI EHA, MAUI)

TABLE 4: ALTERNATIVES ANALYSIS

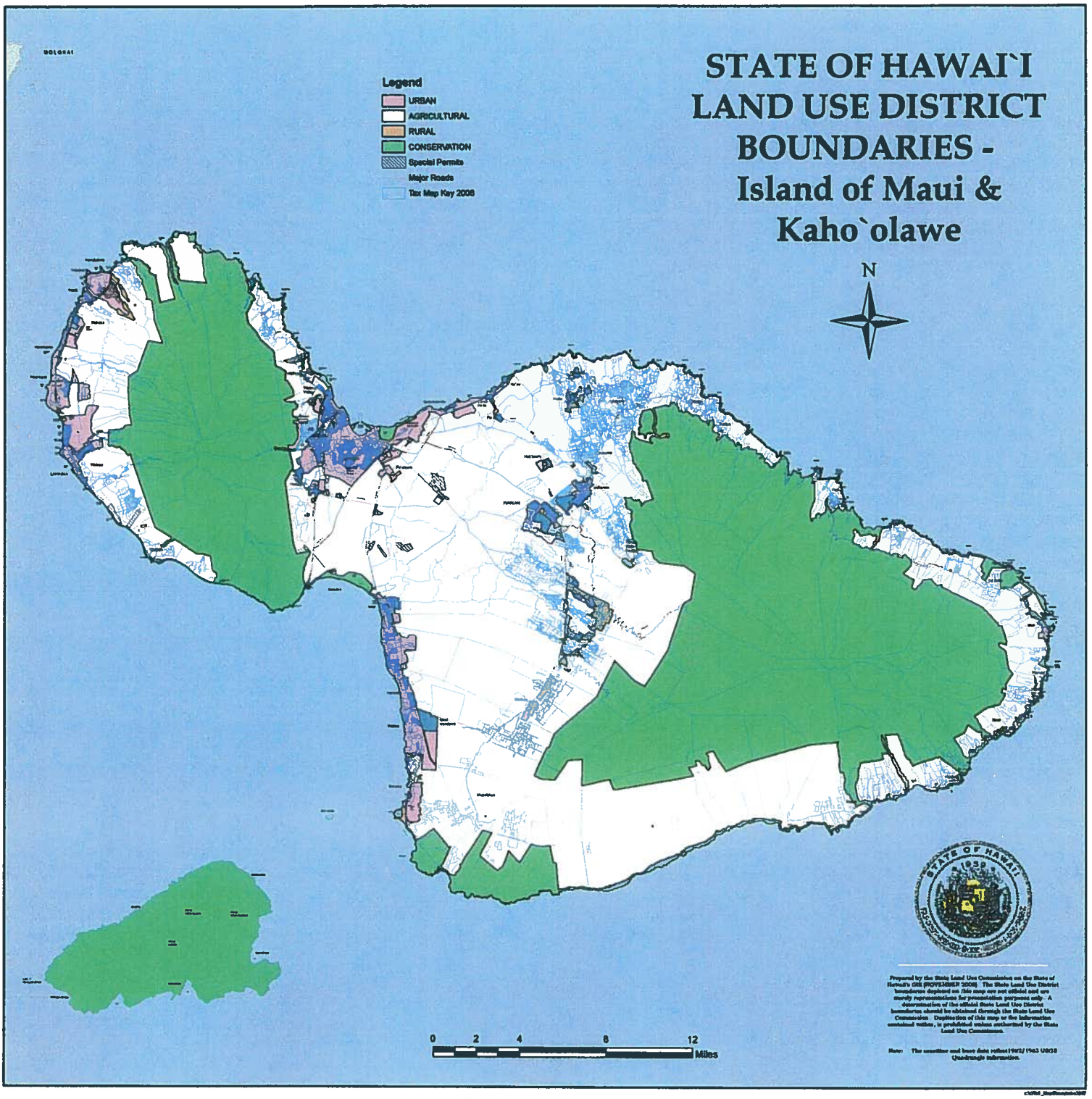
	Potable Alternatives Attach additional sheets if necessary.	**Non-Potable Alternatives** Attach additional sheets if necessary.
Municipal sources	Wailuku Water Company use of municipal water for customers is cost prohibitive	Water for non potable use is not available from the municipal source
Wastewater reuse	The Kahului Wastewater Treatment plant has no feeder lines in the area, the cost to install a distribution line from the treatment plant to Wailuku's Ditch System is cost prohibitive	The Kahului Wastewater Treatment plant has no feeder lines in the area, the cost to install a distribution line from the treatment plant to Wailuku's Ditch System is cost prohibitive
Ditch system	There are no other ditch system available	There are no other ditch system available
Desalinization	There are no Desalinization plants on Maui	There are no Desalinization plants on Maui
Ground water	Pumping of ground water is cost prohibitive	Pumping of ground water is cost prohibitive
Other (specify)	Storm Water reclamation has no facilities as of this date	Storm Water reclamation has no facilities as of this date

PUBLIC INTEREST

§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.*

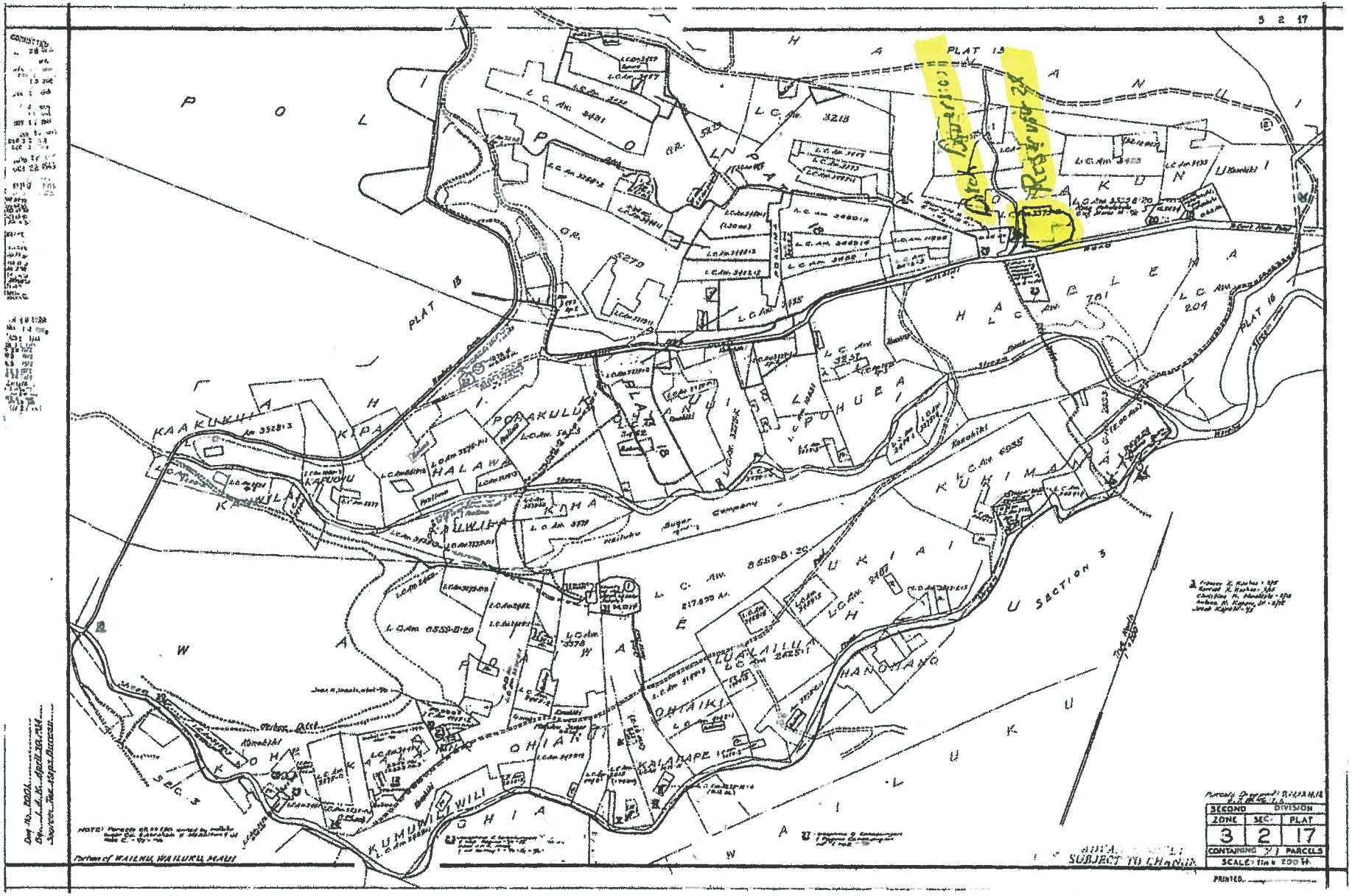
Explain below how the uses in your application are consistent with the public interest as described above. Attach additional sheets if necessary.
Water for non-potable use is not available from the municipal source for personal domestic use to irrigate fruit trees, flowers, herbs and garden plants.

STATE OF HAWAI`I LAND USE DISTRICT BOUNDARIES - Island of Maui & Kaho`olawe



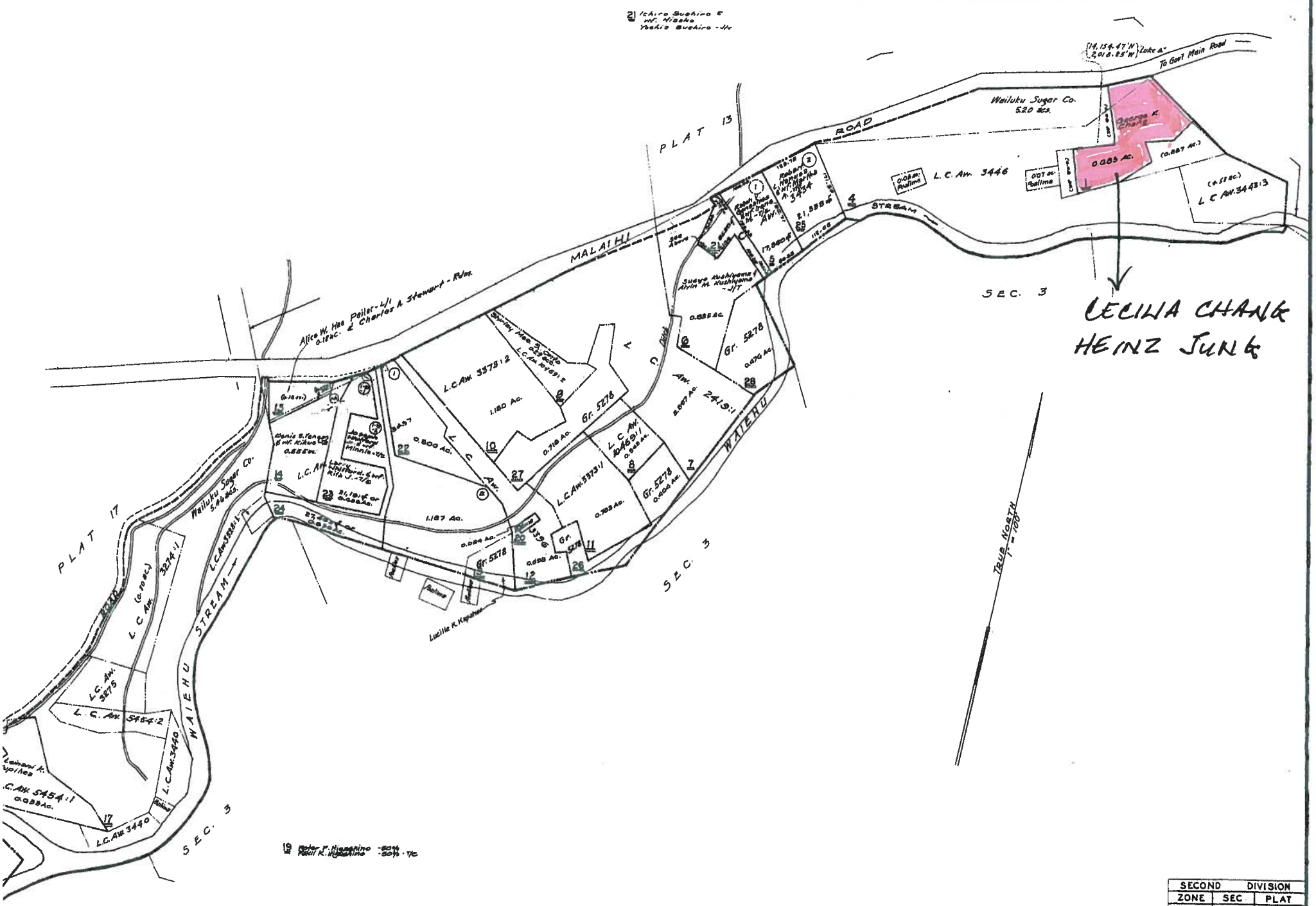
Prepared by the State Land Use Commission on the State of Hawaii's GIS [NOVEMBER 2006]. The State Land Use District boundaries depicted on this map are not official and are merely representations for presentation purposes only. A determination of the official State Land Use District boundaries should be obtained through the State Land Use Commission. Duplication of this map or the information contained within, is prohibited unless authorized by the State Land Use Commission.

Note: The coastline and base data reflect 1972/1983 USGS Quadrangle information.

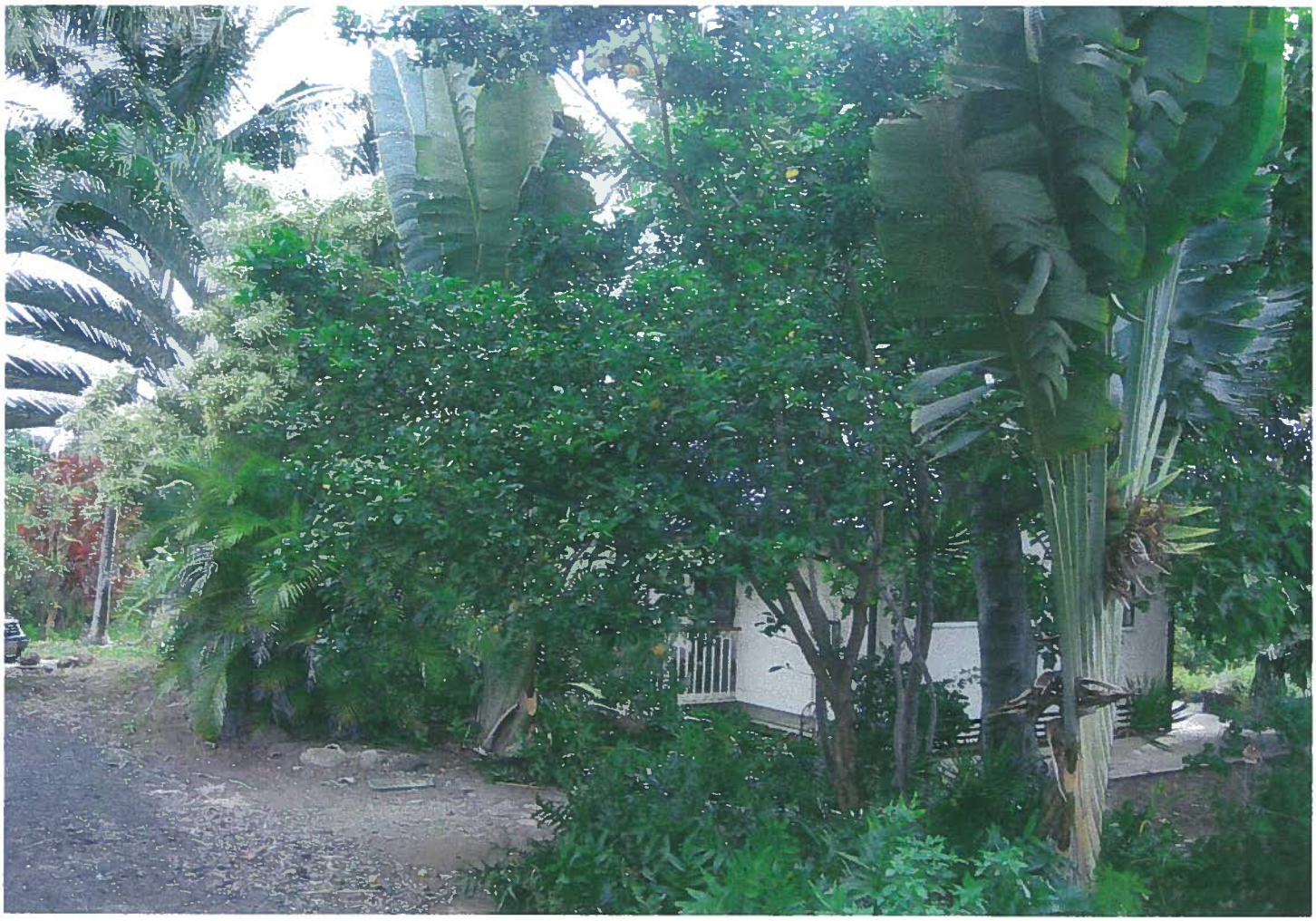


3 2 17
PLAT 13
PLAT 18
PLAT 16
SECTION 3
KAAKUKUI
KIPA
HALAWA
KAUWILA
POHAKULUA
KUHIMANA
HANOHANO
OHIAIKI
KALAPAPE
KUMUWILIWILI
Wailuku Sugar Company
Portion of WAILUKU, WAILUKU, MAUI
SUBJECT TO CHANGE
SECOND DIVISION
ZONE 3
SEC. 2
PLAT 17
CONTAINING 2 PARCELS
SCALE: 1 in = 200 ft.
PRINTED

Reservoir 25
Spreckels Ditch



SECOND		DIVISION
ZONE	SEC	PLAT
3	2	16
CONTAINING		PARCELS
SCALE : 1 in = 100 ft		
PRINTED		

MAUI

ADVANCE SHEET
SUBJECT TO CHANGE