

**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	227,419	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
June 2007	387,333	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
July 2007	4,194	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
August 2007	322,516	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
September 2007	702,966	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
October 2007	894,258	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
November 2007	453,333	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
December 2007	406,452	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
January 2008	757,613	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
February 2008	1,018,643	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
March 2008	594,903	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
April 2008	430,933	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SUM OF AVERAGE DAILY USE FOR THE MONTH	6,200,563					GPD
AVERAGE DAILY USE (Average of the above)	516,714					GPD

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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						0	GPD		
Uses that do not require potable water									
AGRCP	3 - 6 - 004 : 003 Zone Sector Plat Parcel	AG	NO	AG	NO	516,714	NO	61.1	coffee crop irrigation
	____ - ____ - ____ : ____ Zone Sector Plat Parcel								
	____ - ____ - ____ : ____ Zone Sector Plat Parcel								
	____ - ____ - ____ : ____ Zone Sector Plat Parcel								
TOTAL NON-POTABLE USE						516,714	GPD		
TOTAL USE REQUESTED (Sum of Total Potable Use and Total Non-Potable Use above) =						516,714	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. There is no information that would lead me to conclude that the provision of water under this application would interfere with any existing known use.									

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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 - 6 - 004 : 003 <small>Zone Sector Plat Parcel</small>	coffee	657.2	61.1	March 2007	April 2008	Trickle spray and multiple sprinklers	apply a fixed depth per irrigation
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							
_____ - _____ - _____ : _____ <small>Zone Sector Plat Parcel</small>							

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TABLE 4: ALTERNATIVES ANALYSIS

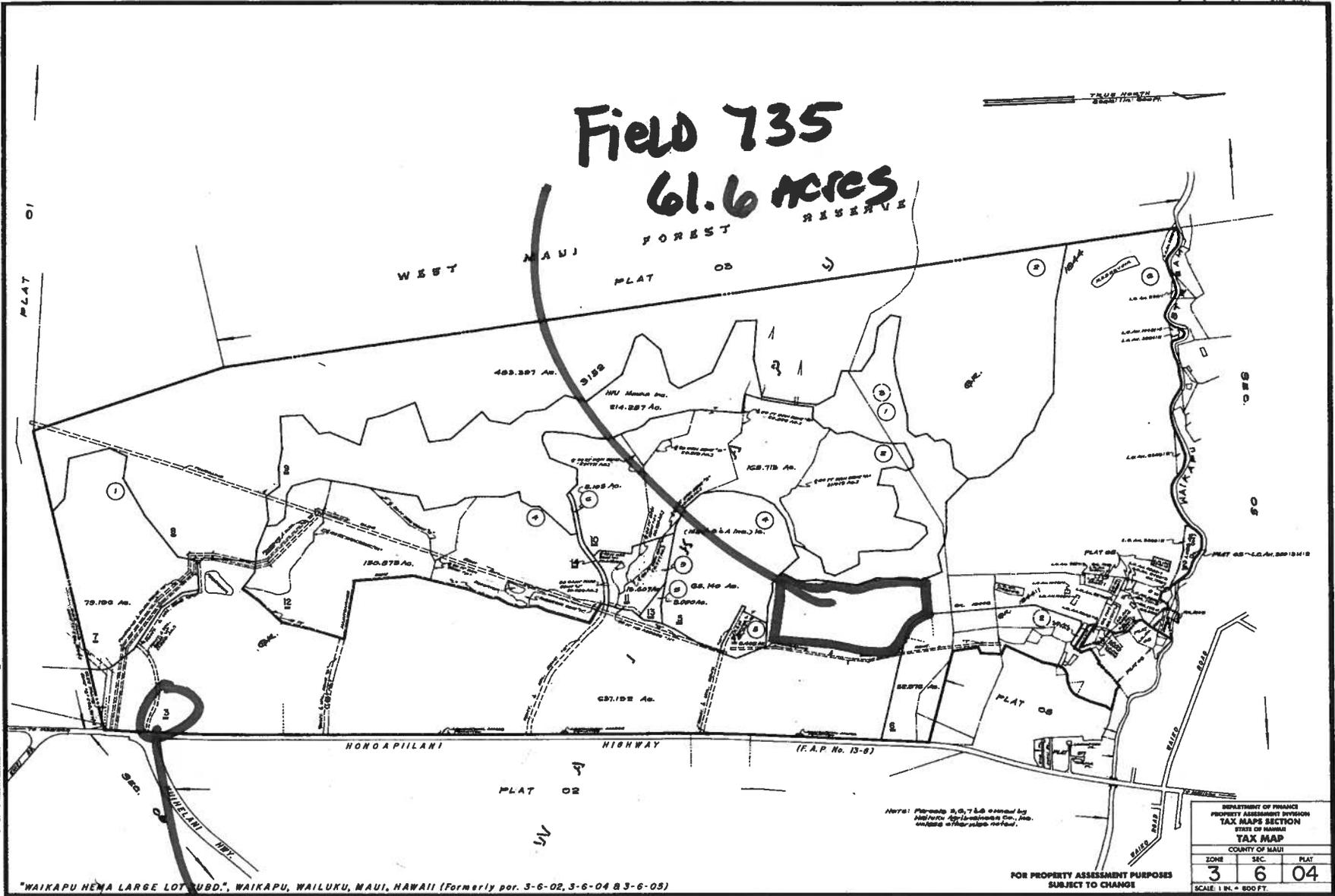
	Potable Alternatives Attach additional sheets if necessary.	Non-Potable Alternatives Attach additional sheets if necessary.
Municipal sources	Use of municipal water is cost prohibitive and not available	Water for non potable use is not available from the municipal source
Wastewater reuse	The Kahului Wastewater Treatment plant has no feeder lines in the area, the cost to install a distribution line from the treatment plant to Maui Tropical Plantation 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 Maui Tropical Plantation is cost prohibitive
Ditch system	There are no other ditch systems available	There are no other ditch systems available
Desalinization	here 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 storage facilities as of this date	Storm Water reclamation has no storage 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.

HRS, Section 174C-2(c) indicates that the Water Code shall be interpreted to obtain the maximum beneficial use of waters for purposes of including agricultural and irrigation uses. The uses applied for fall within such categories, the same being various types of agricultural uses such as coffee production. Consequently this uses is consistent with the public interest provisions of the State Water Code.



Field 735
61.6 ACRES

"WAIKAPU HEMA LARGE LOT SUBD.", WAIKAPU, WAILUKU, MAUI, HAWAII (Formerly par. 3-6-02, 3-6-04 & 3-6-05)

DEPARTMENT OF FINANCE
PROPERTY ASSESSMENT DIVISION
TAX MAPS SECTION
STATE OF HAWAII

TAX MAP
COUNTY OF MAUI

ZONE	SEC.	PLAT
3	6	04

FOR PROPERTY ASSESSMENT PURPOSES
SUBJECT TO CHANGE
SCALE: 1 IN. = 800 FT.

TMK (2) 3-6-04:03

657.2 ACRES



TMK (2) 3-6-04:03 657.2 acres
Field 735 61.1 acres

This photo depicts Field 735, currently planted in Sugar Cane, there is an existing use application which has been filed by HC&S for the 61.1 acres of this field. Field 735 when harvested in July 2009 will NOT go back into sugar, the plan is to convert this to coffee.