

ALFRED SANTIAGO
2445C Vineyard St
Wailuku, Hawai'i 96793
(808) 281-1678

2016 FEB -5 AM 9:44

WATER USE PERMIT APPLICANT PRO SE

COMMISSION ON WATER RESOURCE MANAGEMENT

STATE OF HAWAI'I

Surface Water Use Permit Applications,) Case No. CCH-MA15-01
Integration of Appurtenant Rights and)
Amendments to the Interim Instream Flow) TESTIMONY OF ALFRED SANTIAGO;
Standards, Nā Wai 'Ehā Surface Water) EXHIBITS "2273-SANTIAGO-1" - "2273-
Management Areas of Waihe'e, Waiehu,) SANTIAGO-6"
'Īao, & Waikapū Streams, Maui)
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)
)

TESTIMONY OF ALFRED SANTIAGO

1. This testimony is provided in support of Surface Water Use Permit Applications ("SWUPAs") No. 2273 and No. 2274N, filed with this Commission on Water Resource Management on April 23, 2009, for two parcels in Wailuku, Tax Map Keys ("TMKs") No. (2) 3-4-024:022 and No. (2) 3-4-024:027 (collectively, the "Properties"), shown in Exhibit "2273-SANTIAGO-1." Multiple applications were filed for these properties, but after consultation with the landowner, I will be pursuing the permits given that I have cultivated this land for decades. The properties have been in the DeMello 'Ohana for generations and we are aware of no evidence that anyone has tried to reserve the water rights appurtenant to either of these parcels.

2. I am Native Hawaiian and my 'ohana descends from native Hawaiians who inhabited the Hawaiian Islands prior to 1778. Pursuant to Article XII, Section 7 of the Hawai'i Constitution and Hawai'i Revised Statutes ("HRS") section 174C-101(c), my use of stream

water is a traditional and customary Native Hawaiian practice and, thus, a protected public trust purpose.

3. As described in my SWUPAs, it is my understanding that the Properties have appurtenant rights to water based on their land use at the time of the Māhele. This testimony thus provides further information, in addition to that contained in my SWUPAs, as requested by this Commission.

4. Given the information set forth below, I request recognition of appurtenant rights for the Properties in the amount of 487,800 gallons per day (“gpd”). I request a permit for my reasonable-beneficial use of 450,000 gpd, 10,000 gpd of which was the existing use on April 30, 2008, to return a portion of the Properties to kalo cultivation.

QUANTIFICATION OF APPURTENANT RIGHTS

5. Exhibit “2273-SANTIAGO-1” is a true and correct copy of a TMK Map of the Properties, which together comprise 1.626 acres (“ac”).

6. Exhibits “2273-SANTIAGO-2” and “2273-SANTIAGO-3” are true and correct copies of screen shots from the Kīpuka database, which show the two Land Commission Awards (“LCAs”) and one pō‘alima, a portion of each of which comprise the Properties.

7. TMK Nos. (2) 3-4-024:022 and (2) 3-4-024:027 are comprised of portions of LCA No. 3257 C:2 to Nahuina (confirmed by RP No. 4329) and LCA No. 3333 to Nika (confirmed by RP No. 5152). TMK No. (2) 3-4-024:022 is also comprised of portions of a pō‘alima. Exhibit “2273-SANTIAGO-4” includes true and correct copies of screen shots from the Kīpuka database showing how the various LCAs and pō‘alima comprise the current TMKs. I also attached true and correct copies of Māhele documents that confirm water use on TMK No. (2) 3-4-024:022 and No. (2) 3-4-024:027 at the time of their conversion to fee simple title.

8. Attached as “2273-SANTIAGO-5” is a true and correct copy of LCA No. 3333 to Nika, the foreign testimony supporting the award, and a transcription of that testimony, all confirming the use of this land for lo‘i kalo cultivation at the time of the Māhele. The location of the ‘auwai and stream in relation to the property also establish that the land I propose to restore as lo‘i kalo was likely used for that purpose when it was converted to fee simple title. Moreover, no land use other than lo‘i kalo is mentioned in the Māhele-era testimony supporting this award.

9. Attached as “2273-SANTIAGO-6” is a true and correct copy of LCA No. 3257 C:2 to Nahuina, the foreign testimony supporting the award, and a transcription of that testimony, all confirming the use of this ‘āpana for lo‘i kalo cultivation at the time of the Māhele. Based on the location of the ‘auwai and the stream, it is obvious that the land I propose to use for lo‘i kalo was used for that purpose when it was converted to fee simple title.

10. TMK No. (2) 3-4-024:022 also includes a pō‘alima. Having consulted with experts in Nā Wai ‘Ehā land tenure at the time of the Māhele, I understand that pō‘alima in Nā Wai ‘Ehā, including mine, were all cultivated in lo‘i kalo.

11. It is also my understanding that, on average, taking into account fallow lo‘i and uncultivated areas such as banks between lo‘i, healthy wetland kalo requires between 100,000 and 300,000 gallons of water per acre per day (“gad”), and that areas with greater proportions of lo‘i in cultivation, such as the ancient and proposed uses on these properties, require an amount closer to the upper end of this range. As detailed in the documents establishing that my land was in kalo cultivation when it was converted to fee simple, this area of Wailuku, including the LCAs at issue, was extensively cultivated in wetland kalo. Therefore, using the 300,000 gad figure is both necessary and appropriate.

12. Thus, in my best estimation, the water right that was conveyed at the time of the Māhele, which remains appurtenant to the Properties, is:

$$(1.626 \text{ ac}) \times (300,000 \text{ gad}) = 487,800 \text{ gpd}$$

AMOUNT REQUESTED UNDER SWUPA NO. 2273

13. As described in SWUPA No. 2273, I use water from one of the kuleana 'auwai that runs through Wailuku town. This 'auwai receives water from Waihe'e Ditch to the north of 'Īao Stream, at a point just downstream of where the 'Īao-Maniania Ditch drains into the Waihe'e Ditch. The water in Waihe'e Ditch at that point is a mixture of water from Waihe'e River, North Waiehu Stream, and 'Īao Stream. Water is diverted from Waihe'e River by Waihe'e Ditch at the Waihe'e diversion. Water diverted from North Waiehu Stream enters the Waihe'e Ditch through the North Waiehu Ditch. Water is diverted from 'Īao Stream and enters the Waihe'e Ditch via the 'Īao-Maniania Ditch. A 6-inch pipe brings water from Waihe'e Ditch through a filter and regulator then several miles makai to a location near the old mill in Wailuku. At that point, there is a 2-inch meter, and the kuleana water splits into two separate pipes. One is a 3-inch pipe that runs across the 'Imi Kala bridge to the south side of 'Īao Stream. The 3-inch pipe is reduced to a 1.5-inch driscoll pipe that splits near the post office, with one pipe traveling down 'Ehā Street where I access some water via a pipe for my farm located on the Properties.

14. As described in SWUPA No. 2273, in approximately 1985, Wailuku Agribusiness put this modified pipe system in place without any consultation with affected individuals, including me, and this system is insufficient to provide the water that I historically used or that I need for my farm. When someone upstream of me turns on their tap, I lose pressure and my water flow is reduced to a trickle.

15. The flow was thus reduced without my consent, and is also insufficient to support the historical use of this site, which I wish to restore. Therefore, I submitted SWUPA No. 2273 for the existing use and SWUPA No. 2274N for a “new” use, which will actually simply restore the historical flows that I have been denied since at least 1985.

16. I would prefer to tap water from the Spreckels Ditch as it crosses ‘Īao Stream via a 4-inch pipe. That pipe could split near the post office into two 2-inch pipes, with one coming down ‘Eha Street toward my land. This change would provide a more reliable source of water to supply my appurtenant and traditional and customary Native Hawaiian water rights. I respectfully request that this Commission include a condition in my water use permits that allows me to make this change.

17. My existing land use is: 0.80 acres of diversified agriculture on TMK (2) 3-4-024:022, and 0.7 acres of diversified agriculture on TMK (2) 3-4-024:027, for a total of 1.5 acres of diversified agriculture.

18. As described in SWUPA No. 2273, filed April 23, 2009, based on my extensive experience and expertise in farming this land for over thirty years, I estimate my current use for farming of tapioca, dry land kalo, bananas, sweet potatoes, and similar crops to be 10,000 gpd.

AMOUNT REQUESTED UNDER SWUPA NO. 2274N

19. As described in SWUPA No. 2274N, I would like to re-establish lo‘i kalo on the portion of the Property currently in diversified agriculture: 0.8 acres on TMK (2)3-4-024:022, and 0.7 acres on (2)3-4-024:027, for a total of 1.5 acres.

20. Based in part on my thirty years of experience farming kalo and other crops, it is my understanding that, on average, taking into account fallow lo‘i and uncultivated areas such as

banks between lo'i, healthy wetland kalo requires between 100,000 and 300,000 gad, and that areas with greater proportions of lo'i in cultivation will require an amount closer to the upper end of this range.

21. Therefore, under SWUPA No. 2274N, I request a permit for the following amount, which is reasonable-beneficial, and less than the total appurtenant right:

Lo'i kalo cultivation: $(1.5 \text{ ac} \times 300,000 \text{ gad}) - 10,000 \text{ gpd}$ for my existing use =
440,000 gpd

Reasonable-Beneficial Analysis

22. My existing and proposed uses are "reasonable-beneficial," 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.

23. As detailed in my SWUPAs, filed April 23, 2009, the quantity I am requesting is necessary for the economic and efficient irrigation of my garden, and for the lo'i that I would like to re-establish on my land. I intend to grow these crops for consumption by myself, 'ohana, and neighbors. My use of the stream water is economic and efficient, as I will use only the amount needed to irrigate my lo'i and garden, and I will continue to implement measures to minimize water loss, including using pipes and garden hoses, which reduce evaporation and leakage, and implementing traditional methods of kalo cultivation.

24. My use of stream water to irrigate my garden is also consistent with the state and county land use plans and the public interest. My land is classified by the State as urban, and zoned by the County as agricultural. Generally, "water use for diversified agriculture on land

zoned for agriculture is consistent with the public interest.” *In re Waiāhole Ditch Combined Contested Case*, 94 Haw. 97, 162, 9 P.3d 409, 474 (2000).

Alternatives Analysis

25. Because this land has appurtenant rights to stream water in the nature of an easement that was conveyed at the time of the Māhele, I am not required to provide an analysis to show that I have no practicable alternative source of water. My appurtenant right is for stream water, not for water from any other source, and my exercise of this right enjoys maximum protection and first priority under the law. Nonetheless, the Alternatives Analysis set forth in my SWUPA remains applicable, true, and correct.

26. As detailed in my SWUPAs, I have always used a reasonable amount of ‘auwai water to maintain my fruits and vegetables and plan to do so with the lo‘i kalo I intend to re-establish. Other alternatives, such as municipal water, reclaimed wastewater, water from other ditch systems, desalinized water, and groundwater, are not practicable alternatives to my current source. Requiring me to pay for these alternatives instead of continuing to utilize a relatively small amount of water would impose an unfair and impracticable cost on me, given that I am a small water user with both appurtenant and traditional and customary Native Hawaiian rights and who has always used the water from this source.

SUMMARY

27. In sum: (1) as a Native Hawaiian, my proposed kalo cultivation is a protected public trust purpose; (2) the exercise of my appurtenant right is a protected public trust purpose as well; (3) because TMK Nos. (2)3-4-024:022 and (2)3-4-024:027 have appurtenant rights, they are entitled to 487,800 gallons per day; (4) at this time, I request a permit under SWUPA Nos. 2273 and 2274N in the amount of 450,000 gallons per day (of which 10,000 gpd is for my

existing use) to restore lo'i kalo on portions of each of the Properties. The requested quantity is less than the appurtenant water rights that were attached to this land at the time of the Māhele and will be used for lo'i kalo, a traditional and customary Native Hawaiian practice, which is a reasonable-beneficial use of stream water, and for which there is no practicable alternative.

Finally, (5) I request the ability to tap water from the Spreckels Ditch via a 4-inch pipe as it crosses 'Īao Stream, which will help to ensure that my permitted water will flow on a consistent, daily basis, as required to support lo'i kalo cultivation.

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I, ALFRED SANTIAGO, do declare under penalty of law that the foregoing is true and correct.

Dated: Wailuku, Hawai'i, February 2, 2016.


ALFRED SANTIAGO
WATER USE PERMIT APPLICANT PRO SE

Exhibits:

- 2273-SANTIAGO-1: TMK Map
- 2273-SANTIAGO-2: Map Showing LCAs in TMK No. (2)3-4-024:022
- 2273-SANTIAGO-3: Map Showing LCAs in TMK No. (2)3-4-024:027
- 2273-SANTIAGO-4: Map Showing all Relevant LCAs and TMKs
- 2273-SANTIAGO-5: Māhele documentation for LCA No. 3333
- 2273-SANTIAGO-6: Māhele documentation for LCA No. 3257

PLAT 25

Frank Garcia & wf. Daisy - T/E

13,420 f

John J. DeMello & wf. Mary Alson DeMello - J/T

33,822 f

2273-SANTIAGO-1

Leina Daisy Mai S. C.

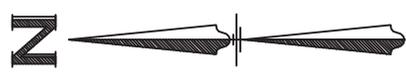
Mary DeMello & hsb John J. Alson DeMello I J/T

0.85 ac.

Stanley T. Iwasaki & wf. Beatrice F. - J/T

13,334 f

WAENA



Parcel 027

Parcel 022

185

57-C:2

①

36

27

22

23

⑤

①

16

10

10

10

10

10

10

10

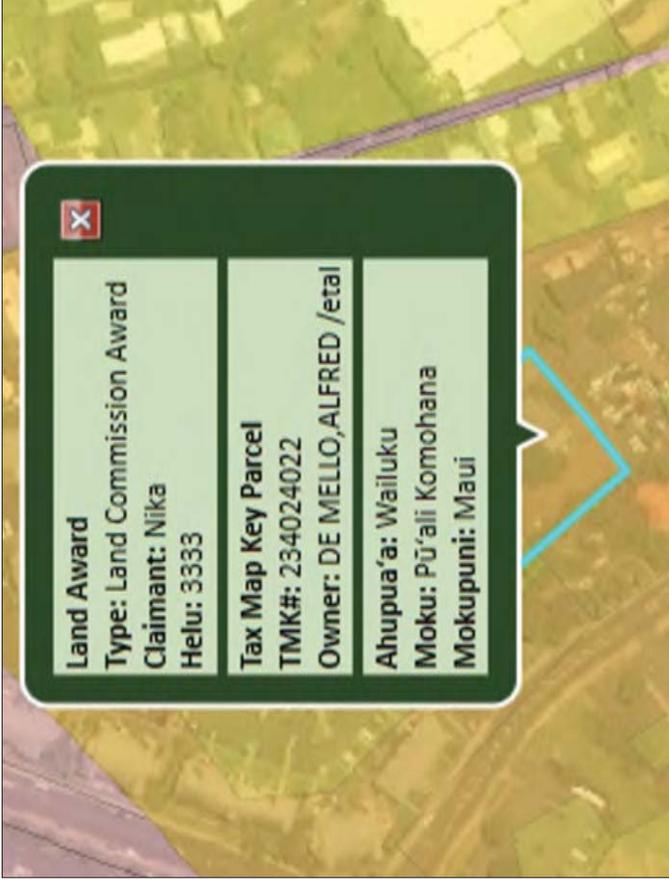
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10

10



Location of LCA 3257 C:2 in Parcel 22



Location of LCA 3333 in Parcel 22



Location of Poalima in Parcel 22

2273-SANTIAGO-2

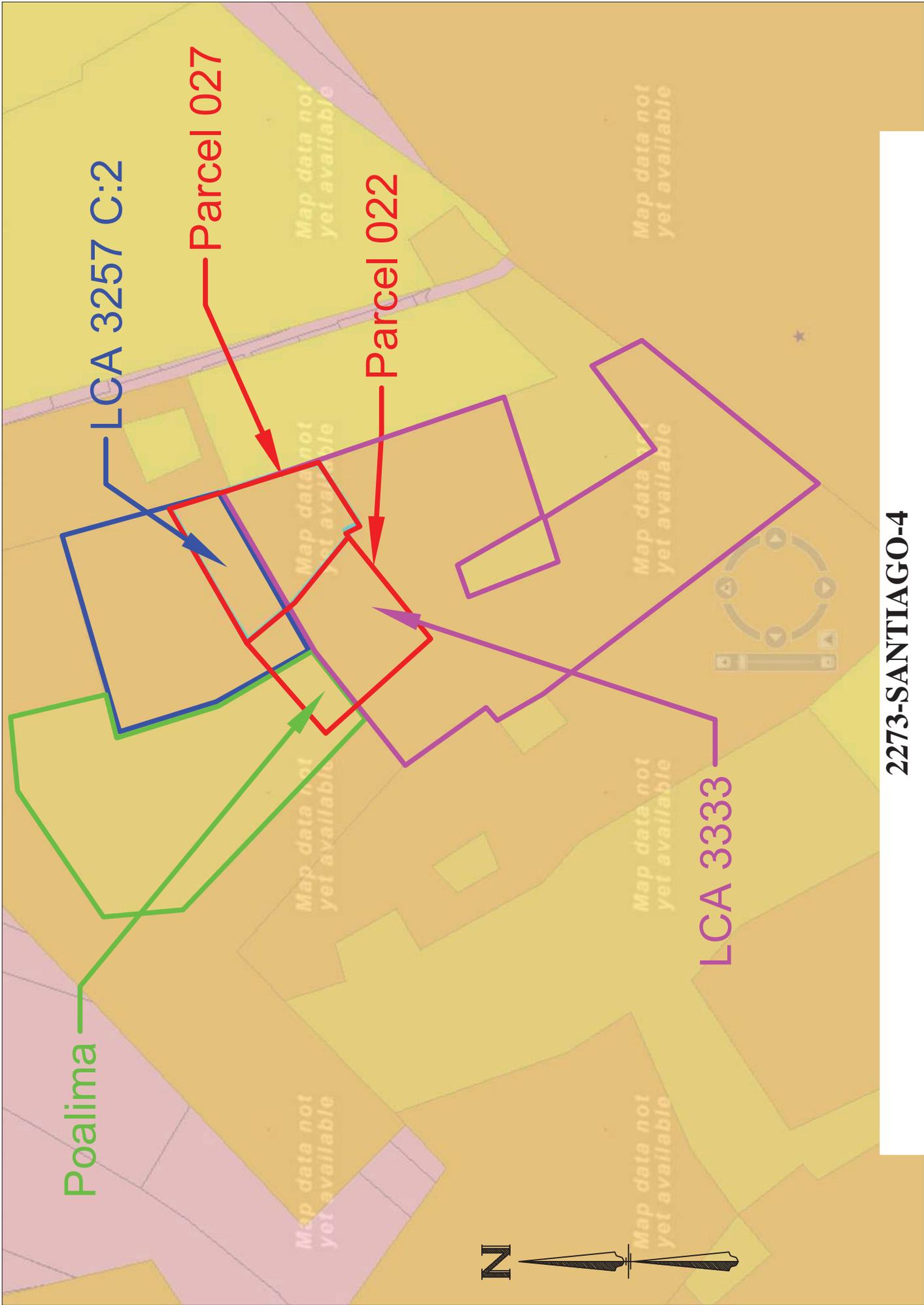


Location of LCA 3257 C:2 in Parcel 27



Location of LCA 3333 in Parcel 27

2273-SANTIAGO-3



Poalima

LCA 3257 C:2

Parcel 027

Parcel 022

LCA 3333



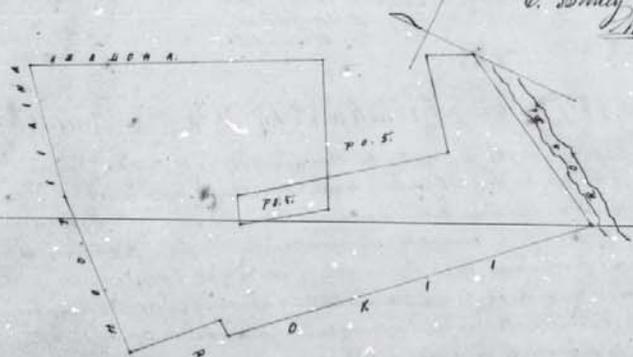
2273-SANTIAGO-4

Holla 3333. Nika

Kailaku. Nani

Palapala no ke ana ana i ke Auleana 3333 no Nika ma ka ike Kap.
 aha, i Wailaku Moku-puni o Nani.
 E hoomaka ma ke kiki o ma, kua nina ma ke alanni e pili ma ma ke
 Piki, a e kiki ana. 4.23 A. 4.61 Kaulaha ma ke alanni. 4.27 A. 110 Kaula-
 hao ma ke aino i Aupuni He. 4.20 A. 2.22 Kaulaha ma ke Peleina, He. 4.27
 27 Kaulaha ma ke Peleina. He. 4.27 A. 7 Kaulaha ma ke Peleina. 4.25 A. 2.12 Ka-
 ulaha ma ke Peleina. 4.67 A. 60 Kaulaha ma ke Peleina. He. 4.27 A. 2.16 Ka-
 ulaha ma ke Peleina. 4.62 A. 2.64 Kaulaha ma ke Peleina. 4.27 A. 6.50 Ka-
 ulaha ma ke Peleina. He. 4.27 A. 3.05 Kaulaha ma ke Peleina. He. 4.27 A.
 4.17 Kaulaha ma ke Peleina. He. 4.27 A. 2.15 Kaulaha ma ke Peleina. He.
 4.27 A. 40 Kaulaha ma ke Peleina. He. 4.27 A. 8.47 Kaulaha ma ke Peleina. a kiki
 i kiki i hoomaka, a hualoko via Apana 4 7/10 o ka.

C. Bailey
Mia ana



Uka pawa

1/6 17

Whelan
 Somaki
 J. M. Robertson
 S. Kaulaha
 J. H. Smith

Hoolulu Augate 4. 1851

Holla 10993 Kawahalamia

Kailaku. Nani

Palapala no ke ana ana i ke Auleana 10993 no Kawahalamia, ma Wailaku,
 Moku-puni o Nani, i na Apana 1003, aia ma ka ike o Kalanala S.
 E hoomaka ma ke kiki o ma, kua Apana, ma ke alanni, e pili ma
 ma ke Apana nina, a e kiki ana. 4.21 A. 3.65 Kaulaha ma ke Apana (palea).
 4.21 A. 2.27 Kaulaha ma ke Apana i Kamehi. He. 4.21 A. 1.19 Kaulaha ma ke
 Peleina. He. 4.21 A. 3.36 Kaulaha ma ke Peleina. He. 4.21 A. 2.76 Kaulaha ma ke Peleina.
 He. 4.21 A. 1.11 Kaulaha ma ke Peleina. He. 4.21 A. 1.11 Kaulaha ma ke Peleina.
 He. 4.21 A. 5.53 Kaulaha ma ke Peleina. He. 4.21 A. 3.32 Kaulaha ma ke Peleina. a kiki
 i ke alanni. He. 4.21 A. 1.11 Kaulaha ma ke alanni, a kiki i kiki i hoomaka
 i hualoko via Apana 7/10 o ka Uka.
 Apana S. He aia kua ma ka ike o Kalanala S.
 E hoomaka i ke ana ma ke kiki o ma, kua Apana ma ka ana
 e pili ma ma Kaulaha, a e kiki ana. 4.21 A. 1.11 Kaulaha ma ke Peleina.
 He. 4.21 A. 3.65 Kaulaha ma ke Peleina. He. 4.21 A. 1.11 Kaulaha

R. C. 792
1. 25
1. 27

C. 3491. Kaupuni.

Kawailiki Sr. I know the land of the Ct. It is one piece of land in the ili of Keakupuni, Wailuku, Maui.

The Ct. rec'd this land from Kaikopaka, in the days of Kamehameha I. His title has never been disputed.

It is bounded. Maunaloa, by Naca's Paloma. Waikae, by the Pal of Wailuku Makai, by Kanakahi's land. Maalaea, by Kekuapalapa's land.

C. 3364. Kaupuni.

This is no Land Claim.

C. 3494 & 5499. Keakea.

Keakea Sr. The Ct's land is one piece of Keakea land, in the ili of Keakea, Wailuku, Maui.

The Ct. rec'd this land from Ahuwa, in the days of Kamehameha I. His title has not been disputed.

It is bounded. Maunaloa, by my land. Waikae, by Kahalo's land. Makai, by Naca & Kahalo's land. Maalaea, by Naha's land.

C. 3493. Kamaha.

The Ct. appeared and stated that he relinquished all his Claim except one lot in Waikae.

C. 3333. Nihau. W.

Nihau Sr. I know the lands of the Ct. They consist of 4 pieces in Wailuku, Maui.

It is a Mo'o of Keakea in Keakea.

N^o 2. is 3 lvs. in Kapaala.

" 3. " 1 lvi " "

" 4. " 1 " " Subaka.

The Ct. are the first 3 pieces from one in the year 1844 and I rec^d it from my parents in ancient times. And the fourth piece, he rec^d from Kaili-hua. His title has never been disputed.

N^o 1. is bounded. Mauka, by Malachaka. Waikae, by the Crub of Wailuku. Makai, by Kawaka's land. Maalaea, by the ili of Waialeale.

N^o 2. is bounded. Mauka, by Naea's land. Waikae, by my land & Naea's. Makai, by Fort Force. Maalaea, by Naea's land.

N^o 3. is bounded. Mauka & Waikae, by my land. Makai, by Fort Force. Maalaea, by my land.

N^o 4. is bounded. Mauka, by my land. Waikae, by Kaama's land. Makai, by Pa Aupuni. Maalaea, by my land.

Ct. 3386. Pehimano.

Kakua Lu. Show the lands of the Ct. They consist of 4 pieces of land, in Wailuku maui.

N^o 1. is a Mts of hale, kula & House l-t. in Paikukale

" 2. " " Fish Pond, in the ili of Paikukale.

" 3. " two " " " "

" 4. " a hale land " " " " Puhimano.

The Ct. are the first three pieces, from Kalaikoa, in the days of Namchanika. His title has been disputed last year by Kaiamui who wanted to make his land chaiglet and consequently he took two hale patch from the Ct.

The fourth piece, he rec^d it from his wife, who rec^d it from her parents in ancient times. There is no disputed to this last piece.

N^o 1. is bounded. Mauka, by Kauka's land. Waikae, by the same. Makai, by Pa Aupuni. Maalaea, by Kaiamui's land.

N^o 2. is bounded. Mauka & Waikae sides, by Kauka's,

LCA 3333 Foreign Testimony Transcription

Cl. 3333 Nika w.

Kealoha Sw. I know the lands of the claimant. They consist of 4 pieces in Wailuku, Maui.

No. 1 is a mo‘o of kalo in Kapaaloa

No. 2 is 3 lo‘i in Kapaaloa

No. 3 is 1 lo‘i in Kapaaloa

No. 4 is 1 lo‘i in Aukake.

The claimant received the first 3 pieces from me in the year 1844 and I received it from my parents in ancient times. And the fourth piece, he received it from Kailihiwa. This title has never been disputed.

No. 1 is bounded. Mauka by Kalaekaeahu. Waihe‘e, by the...of Wailuku. Makai, by Kawaka’s land. Maalaea, by the ili of Waiaka.

No. 2 is bounded. Mauka by Naea’s land. Waihee, by my land and Naea’s. Makai, by gov’t fence. Maalaea, by Naea’s land.

No. 3 is bounded. Mauka and Waihee by my land. Makai by gov’t fence. Maalaea, by my land.

No. 4 is bounded Mauka, by my land. Waihee by Kaaona’s land. Makai by Pa Aupuni (gov’t fence), Maalaea by my land.

Ukupaoua

\$5.00

736

W. L. Lee
G. M. Robertson
J. Kekaulahao
J. H. Smith

Honolulu Nov. 21. 1854.

Lot 3257^c Sakuina

Wailuku, Maui

Apna 1. Pahala ma ka ili. Kauhunaa.

Chumaka ma ke kiki Sikiina, a e holo.

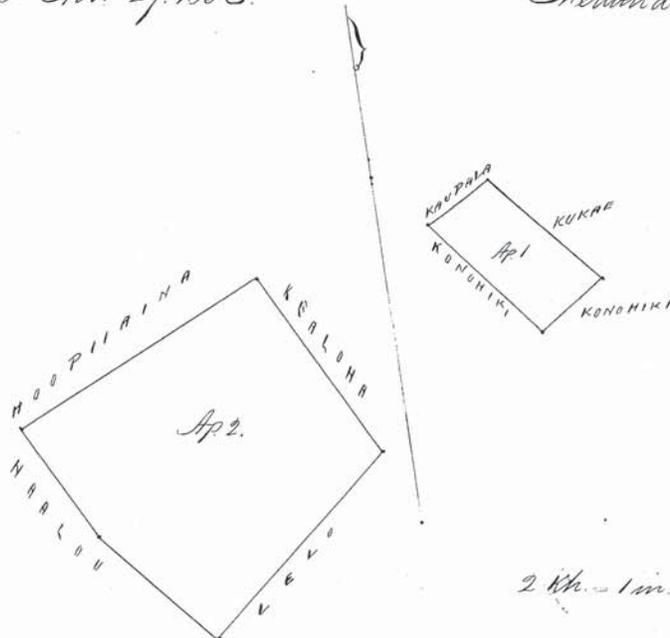
Sk.	40 ¹ / ₂	Ko	2.30	Kih. ma ko	Kukae
Ke	61 ¹ / ₄	Ko	1.16	"	" Kaurpala
Ke	38 ¹ / ₂	Ki	2.34	"	" Kauhiki.
Sk.	58 ¹ / ₂	Ki.	1.24	"	" " a hiki ma ke kiki
muu.	27/100 Eka.				

Apna 2. Kalo ma ka ili. Kaulupala. Chumaka ma ke kiki Kaula a e holo.

Ke.	25 ¹ / ₄	Ki.	3.29	Kh. ma ko	Kealoha
Ke.	51 ¹ / ₂	Ko.	3.79	"	" Lilo
Sk.	39 ³ / ₄	Ko.	2.40	"	" Naalou
Sk.	26 ¹ / ₄	Ko.	2.00	"	" " "
Sk.	66 ³ / ₄	Ki.	4.29	"	" Hoopiina a hiki ma
ke kiki muu.	16/100 Eka.				

C. Bailey
Maahaama

Wailuku Nov. 29. 1853.



Ukupaoua

\$5.00

W. L. Lee
G. M. Robertson
J. Kekaulahao
J. H. Smith

Honolulu Nov. 21. 1854.

LCA 3257C Testimony Transcription

3257C Nahuina

The claimant made oath that Kahale wrote out his claim before February 14, 1848 and that he gave it to the Captain of the ship Pahumanamana to carry to Oahu.

Auimakalani Sw. I know the lands of the Claimant. They consist of 2 pieces in Wailuku, Maui.

No. 1 is a House lot in Kaihuwaa

No. 2 is a **kalo** land in Kaulupala

The Clt received these lands from Kailikiwa in 1837, and his title has never been disputed.

No. 1 is bounded. Mauka and Waihee sides, by Naea's land. Makai, by Kukai's land. Maalaea, by Naea's land.

No. 2 is bounded. Mauka, by Halea's land. Waihee by Hoopii'aina's land. Makai, by Healoha's land. Maalaea, by Lelo's land.

ALFRED SANTIAGO
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Standards, Nā Wai 'Ehā Surface Water)
Management Areas of Waihe'e, Waiehu, 'Īao)
and Waikapū Streams, Maui)
)
)
)

WITNESS LIST

PARTY: ALFRED SANTIAGO

NAME/ ORGANIZATION/ POSITION	SUBJECT MATTER	EXHIBIT(S) TO BE INTRODUCED BY WITNESS
Alfred Santiago	Need for and use of Nā Wai 'Ehā water	2273-SANTIAGO-1 to -6

ALFRED SANTIAGO
 2445C Vineyard St
 Wailuku, Hawai'i 96793
 (808) 281-1678

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 Management Areas of Waihe'e, Waichu, 'Īao)
 and Waikapū Streams, Maui)
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EXHIBIT LIST

PARTY: ALFRED SANTIAGO

EXHIBIT NUMBER	DESCRIPTION	REFERENCES	REC'D INTO EVIDENCE
2273-SANTIAGO-1	County Tax Map with Parcels 22 and 27	Testimony of Alfred Santiago	
2273-SANTIAGO-2	Screen Shots Showing LCA Nos. 3257 and 3333 and Pō'alima in Parcel 22	Testimony of Alfred Santiago	
2273-SANTIAGO-3	Screen Shots Showing LCA Nos. 3257 and 3333 in Parcel 22	Testimony of Alfred Santiago	
2273-SANTIAGO-4	Screen Shot Showing LCA Nos. 3257 and 3333, Parcels 22 and 27 and Pō'alima	Testimony of Alfred Santiago	
2273-SANTIAGO-5	LCA No. 3333, Foreign Testimony and Foreign Testimony Transcription	Testimony of Alfred Santiago	
2273-SANTIAGO-6	LCA No. 3257, Foreign Testimony and Foreign Testimony Transcription	Testimony of Alfred Santiago	

