

WAIAKEA-PALAI STREAMS Hilo, Island of Hawaii, Hawaii

CONTINUING AUTHORITIES PROGRAM SECTION 205
FLOOD RISK MANAGEMENT

Appendix F: Public Involvement

May 2020



**US Army Corps
of Engineers®**
Honolulu District

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1 Introduction

This document responds to comments received on the Waiakea-Palai Streams Draft Feasibility Report and Integrated Environmental Assessment (FR/EA) by the U.S. Army Corps of Engineers (Corps). The documents were available for public review at the Hilo Public Library beginning on May 23, 2019 and also posted on the following website: http://oeqc2.doh.hawaii.gov/EA_EIS_Library/2019-06-23-HA-DEA-Waiakea-Palai-Streams-Flood-Control.pdf. The official public comment period was from June 23, 2019 through July 23, 2019. Comments were received in writing through letters and electronic mail. A total of 12 comment submittals were received and are enclosed; and include comments from two public meetings and the official public review period.

2 Public Meetings

There were three public meetings outside of the public review period. The first meeting occurred on April 30, 2019 with the impacted homeowners in the project area. The second meeting occurred on May 21, 2019 with the entire community of Hilo invited to hear the Corp’s recommendation for flood risk management in the Waiakea Palai project area. This meeting was well attended and generated most of the comments in Appendix F. The final meeting occurred September 12, 2019 after the public and Agency review periods were complete and the updates to the recommended plan was presented to the community. It was at this meeting that the recommended plan without Ainalako Diversion was presented to the community as a result of a change in conditions, public comments, and collaboration with the County of Hawaii. A second 30 day public review period was determined unnecessary due to the overall impacts of the change being less than the originally presented plan.

3 Document Organization and List of Commenters

This document contains copies of comments received during the comment period followed by the Corps’ responses to those comments. A total of 12 comment submittals were received on the Draft FR/EA, including comments from a public information session held on April 30, 2019, email submittals, and letters. Each comment submittal was given a comment identification code. Each comment submittal is listed below in Table 1.

Table 1: Public Comment Submittals received on the Waiakea-Palai CAP Section 205 Project

Comment Identification	Date on Letter/Email	Commenter	Organization/Affiliation
1	April 30, 2019	Joyce Anderson	Landowner
2	April 30, 2019	Shugeng Cao	University of Hawaii, Hilo
3	April 30, 2019	Steve Correia	Property Owner
4	April 30, 2019	Harvey Llantero	Property Owner

5	April 30, 2019	Leila and Jeremy Spain	N/A
6	April 30, 2019	Robert Williams	Waiakea Fairways
7	April 30, 2019	Alex Way-Wong	Homeowner
8	April 30, 2019	Malar Yip	N/A
9	May 2, 2019	Clyde Nagata	Local Resident
10	May 22, 2019	Clyde Miyamura	Clyde's Realty
11	May 28, 2019	Dennis Onishi	N/A
12	July 1, 2019	Patsy Matsuo	Local Resident

4 Individual Comments and Responses

4.1 Comment 1 – Joyce Anderson – Landowner



**US Army Corps
of Engineers**

Waiakea-Palai Flood Risk Management Study

Homeowners' meeting– April 30, 2019

Comment Sheet

Point of contact for comments: Jeff Herzog

DUE BY June 21, 2019

Bldg 230, Ft Shafter

Ft Shafter, HI 96858

Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
Joyce Anderson	landowner	(808) 959-3814	jhanderson@hawaiiartd.net

PLEASE PRINT CLEARLY

Comment(s): Will farmer on Kupulae be willing to have water overflow on his property? How do the landowners feel about grassed swales and berms on their property? Do they have any "say" in this plan? Does county/Army Corp of Engineers have "power" to purchase affected lands?

(Ainalako Subdivision)

(Please use back of sheet if needed)

4.1.1 Response to Comment 1

Landowner willingness is a key component of this flood risk management project. Based on feedback from landowners during public review of the Draft Feasibility Report/Environmental Assessment, the Ainalako Diversion project has been removed from the recommended plan.

Landowner outreach will continue during the Design and Implementation phase of the project. During this phase, the Corps and County will continue to work to refine the project designs in coordination with landowners and stakeholders. If there are landowners who are unwilling to negotiate with the study sponsor to provide necessary property, individual project sites will be modified and/or removed from the proposed flood risk management plan.

4.2 Comment 2 – Shugeng Cao – University of Hawaii, Hilo



US Army Corps of Engineers.

Golf Course

Waiakea-Palai Flood Risk Management Study

Homeowners' meeting – April 30, 2019

Comment Sheet

Point of contact for comments: Jeff Herzog
 DUE BY June 21, 2019
 Bldg 230, Ft Shafter
 Ft Shafter, HI 96858
 Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
Shugeng Cao	UH Hilo	808-981-8017	Shugeng888@yahoo.com

Comment(s):

I have a concern about the Hilo Golf course detention basin. (It may cause water accumulation, which MAY flood the area!)

Also, building a basin in the Golf course is not a good idea because it // (Please use back of sheet if needed)

4.2.1 Response to Comment 2

During the Design and Implementation phase, additional hydrology and hydraulic modeling will further evaluate how the recommend plan interacts with local flood channels. Based on updated modeling, project features may be refined to minimize any impacts from induced flooding.

4.3 Comment 3 – Steve Correia – Property Owner



Waiakea-Palai Flood Risk Management Study

Homeowners' meeting– April 30, 2019

US Army Corps of Engineers

Comment Sheet

GOLF COURSE S/D, HILD

Point of contact for comments: Jeff Herzog

DUE BY June 21, 2019

Bldg 230, Ft Shafter

Ft Shafter, HI 96858

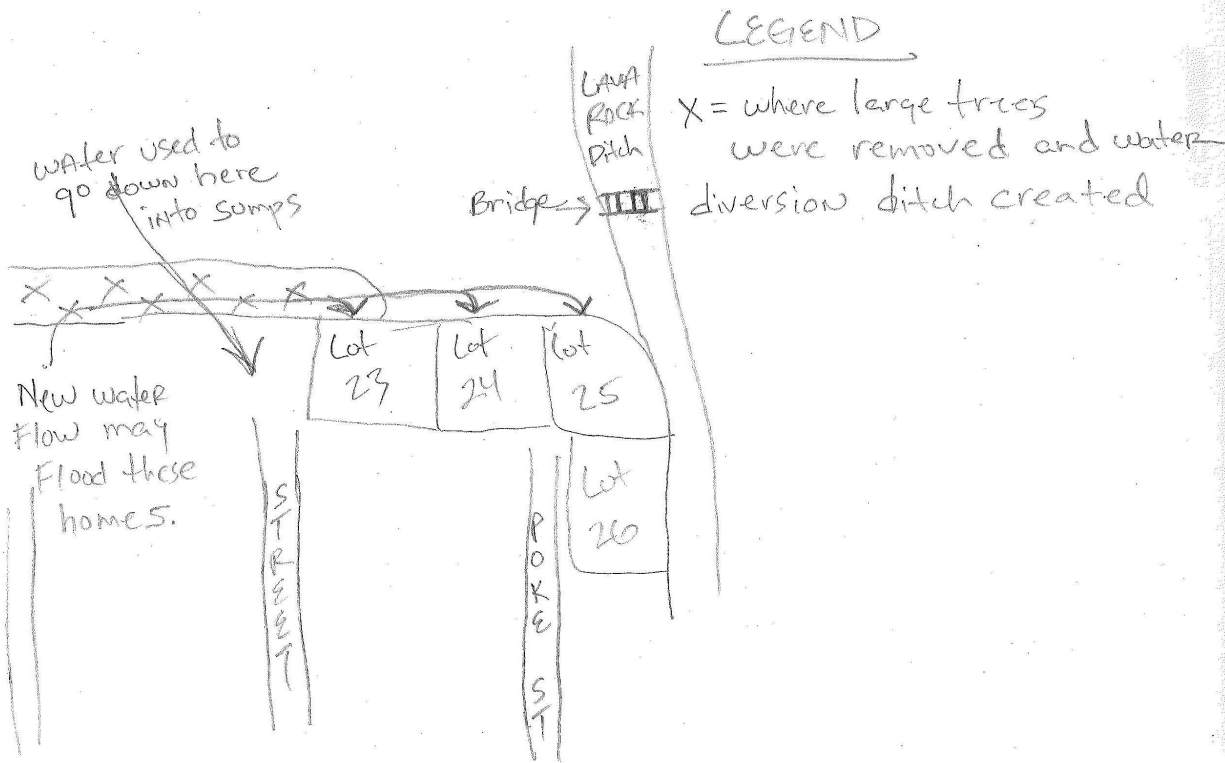
Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
Steve Correia	OWNER TRK'S; 2-4-084-029 2-4-084-026 2-4-084-024 ***PLEASE PRINT CLEARLY***	(808) 896-3500	Steve.a.correia @hotmail.com

Comment(s):

Re-iterating on Sunshine Carters question tonight, In the last 2-3 weeks, the county cleared an enormous amount of trees and appeared to create a ditch or diversion of natural water flow on the makai (ocean) side of hole # III. It appears this will divert more water towards Hemakua direction towards the lava rock gulch. Problem is this may cause flooding over a small bank along lot (2-4-084-024) and adjacent parcels which never flooded before. County did this without any notice to homeowners. WAS FEMA notified and was this done with permission and/or permits? (Please use back of sheet if needed)

OVER FOR MAP



4.3.1 Response to Comment E3

This comment has been provided to the County for local coordination and follow-up.

4.4 Comment 4 – Harvey Llantero – Property Owner



**US Army Corps
of Engineers.**

Waiakea-Palai Flood Risk Management Study

Homeowners' meeting – April 30, 2019

Comment Sheet

Point of contact for comments: Jeff Herzog

DUE BY June 21, 2019

Bldg 230, Ft Shafter

Ft Shafter, HI 96858

Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
Harvey Llantero	Property owner w/ ag land w/ berm.	808 961-3270 222-1645 (cell)	Harvey.Llantero@ gmail.com

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Comment(s): → With a 6 ft berm blocking the berm to the road, how would you address the area between the berm and road from flooding? The properties around the road & the road itself drains toward these areas without any visible outlet in your plan, mentioned earlier area floods but clears up in a day or two.

- How will you address the access of agricultural land on the opposite side of the berm @ Kupulau & access to additional property across the stream?

- Is there still plans to extend the Haihai st westward, as shown for road easement. If so, the berm becomes useless as it cuts →

(Please use back of sheet if needed)

the berm and the detention area into two.

4.4.1 Response to Comment 4

During the Design and Implementation phase, additional hydrology and hydraulic modeling will further evaluate how the recommend plan interacts with local flood channels. Based on updated modeling, project features may be refined to minimize any impacts from induced flooding. In addition, landowner outreach will continue during the Design and Implementation phase of the project. During this phase, the Corps and County will continue to work to refine the project designs in coordination with landowners and stakeholders. If there are landowners who are unwilling to negotiate with the study sponsor to provide necessary property, individual project sites will be modified and/or removed from the proposed flood risk management plan.

4.5 Comment Letter 5 – Leila and Jeremy Spain



**US Army Corps
of Engineers.**

Waiakea-Palai Flood Risk Management Study

Homeowners' meeting– April 30, 2019

Comment Sheet

Point of contact for comments: Jeff Herzog
DUE BY June 21, 2019
Bldg 230, Ft Shafter
Ft Shafter, HI 96858
Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
LEILA & JEREMY SPAIN	—	(808) 937-0677 (808) 815-5018	leila_girl57@yahoo.com jSpain@teamdeluz.com

PLEASE PRINT CLEARLY

Comment(s): RE: 3002 LAKE ST HIL HI 96721
(WAIAKEA FARMERS) - SELF COURSE

PLEASE INCLUDE US IN ANY FUTURE PROPERTY OWNER MEETINGS. WE DID NOT RECEIVE ANY NOTIFICATION, BUT WERE INFORMED BY OTHER PROPERTY OWNERS W/IN OUR NEIGHBORHOOD.

MAILING ADDRESS IS: PO BOX 10413
HIL HI 96721

THANK YOU!

(Please use back of sheet if needed)

4.5.1 Response to Comment 5

Thank you for your comment. Your contact information has been added to the project's distribution and contact list. Landowner outreach will continue during the Design and Implementation phase of the project. During this phase, the Corps and County will continue to work to refine the project designs in coordination with landowners and stakeholders.

4.6 Comment 6 – Robert Williams – Waiakea Fairways



**US Army Corps
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Waiakea-Palai Flood Risk Management Study

Homeowners' meeting– April 30, 2019

Comment Sheet

Point of contact for comments: Jeff Herzog

DUE BY June 21, 2019

Bldg 230, Ft Shafter

Ft Shafter, HI 96858

Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
Robert Williams	Wai Kea Fairways	987-3320	rwilliams@clarkhawaii.com

PLEASE PRINT CLEARLY

Comment(s):

Great presentation. Include a drainage ditch on the golf^{course} from Haihai to Palai Stream. Water flowing from golf course into sections of Waiakea Fairways -

(Please use back of sheet if needed)

4.6.1 Response to Comment 6

During the Design and Implementation phase, additional hydrology and hydraulic modeling will further evaluate how the recommend plan interacts with local flood channels. Based on updated modeling, project features may be refined to minimize any impacts from induced flooding.

4.7 Comment 7 – Alex Way-Wong – Homeowner



**US Army Corps
of Engineers.**

Waiakea-Palai Flood Risk Management Study
Homeowners' meeting– April 30, 2019
Comment Sheet

Point of contact for comments: Jeff Herzog
DUE BY June 21, 2019
Bldg 230, Ft Shafter
Ft Shafter, HI 96858
Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
Alex Way-Wong	Homeowner	808-217-5134	alexanderkray@gmail.com

PLEASE PRINT CLEARLY

Comment(s):

personally affects me - lot located in Waiakea Palai subdivision

4.7.1 Response to Comment 7

Thank you for your comment. Landowner outreach will continue during the Design and Implementation phase of the project. During this phase, the Corps and County will continue to work to refine the project designs in coordination with landowners and stakeholders. If there are landowners who are unwilling to negotiate with the study sponsor to provide necessary property, individual project sites will be modified and/or removed from the proposed flood risk management plan.

4.8 Comment 8 – Malar Yip



**US Army Corps
of Engineers.**

Waiakea-Palai Flood Risk Management Study
Homeowners' meeting– April 30, 2019
Comment Sheet

Point of contact for comments: Jeff Herzog
DUE BY June 21, 2019
Bldg 230, Ft Shafter
Ft Shafter, HI 96858
Jeffrey.a.herzog@usace.army.mil

Name	Organization	Phone	e-mail
MALAR YIP	-	917-846-2223	malar.yip@gmail.com

PLEASE PRINT CLEARLY

Comment(s):

KUPULAV DITCH LEVEE / FLOODWALL W/ DETENTION

Detention Pond Outlet 4ft Diameter CMP culvert - need to understand impact to property on the left.

4.8.1 Response to Comment 8

During the Design and Implementation phase, additional hydrology and hydraulic modeling will further evaluate how the recommend plan impacts individual properties/parcels. Based on updated modeling, project features may be refined to minimize any impacts from induced flooding.

4.9 Comment 9 – Clyde Nagata – Local Resident

-----Original Message-----

From: Clyde Nagata [<mailto:clyde.nagata@gmail.com>]

Sent: Tuesday, May 21, 2019 11:49 AM

To: Herzog, Jeffrey A CIV USARMY CEPOH (USA) <Jeffrey.A.Herzog@usace.army.mil>

Cc: 'Nancy Aoki' <aokine45@gmail.com>; Mesko, Rachel C CIV USARMY CEMVP (US)

<Rachel.C.Mesko@usace.army.mil>; 'Joyce Anderson' <jhanderson@hawaiiantel.net>

Subject: [Non-DoD Source] Waiakea-Palai Streams COE Landowners Meeting on April 30, 2019 Follow-up Questions (UNCLASSIFIED) May 21 Additional Questions/Comments

Mr. Herzog,

I missed the following question:

In considering the access to the residential house on property 002, what does your records show of flooding of the access road within the property and how does it compare to the COE studies as a result of the proposed diversion wall and weir? Since the diversion wall will probably hold back the normal flow of water, I would expect the water level at the lowest point of traverse on the access road will be higher than pre diversion conditions.

Please confirm and if that is the case, could the COE include improving the access road for the resident as part of the diversion wall/weir proposal?

-----Original Message-----

From: Clyde Nagata [<mailto:clyde.nagata@gmail.com>]

Sent: Tuesday, May 21, 2019 11:15 AM

To: 'Herzog, Jeffrey A CIV USARMY CEPOH (USA)'

Cc: 'Nancy Aoki'; 'Mesko, Rachel C CIV USARMY CEMVP (US)'; 'Joyce Anderson'

Subject: RE: [Non-DoD Source] Waiakea-Palai Streams COE Landowners Meeting on April 30, 2019 Follow-up Questions (UNCLASSIFIED)

Thank you for your responses. Following are additional questions/comments:

1. Notwithstanding the proposal itself to encumber the properties, of primary concern is your responses to 2d, 2e, 2f. The landowner is left open to possible future post construction suits related to injury to trespassers checking out the diversion/weir structures and/or failure of the proposed remedies with subsequent damages to facilities downstream. This brings up the Kauai situation where the landowner was sued for the failure of his filed dam system and subsequent jail time. If any of the 3 landowners agree to these proposed remedies on their properties, there must be some means of indemnifying the landowners and all costs (legal and supplemental) related to any resulting suit be the responsibility of the COE or COH.
2. What does the FEMA Flood Insurance Rate Maps show for the 4 listed properties and what does it mean/impacts?
3. Thank you for the additional maps and upcoming presentation. The 4 mile creek seems to cut property 112 in half and at the corner of property 113. Please show how the Palai stream runs on this photo. With the proposed diversion just above properties 112 and 113, the water level in the 4 mile creek will rise. Based on current information, what does the flooding footprint look like on properties 112 and 113. If the proposed

diversion/weir are installed, what will the resulting flooding footprint be?
4. The second photo enclosed shows the location of the diversion on the road access to properties 112 and 113.....this rendering is different from the photo shown on the public presentation for May 21. Please explain the discrepancy.

Thank you.

-----Original Message-----

From: Herzog, Jeffrey A CIV USARMY CEPOH (USA) [<mailto:Jeffrey.A.Herzog@usace.army.mil>]
Sent: Tuesday, May 21, 2019 8:42 AM
To: Clyde Nagata
Cc: 'Nancy Aoki'; Mesko, Rachel C CIV USARMY CEMVP (US); 'Joyce Anderson'
Subject: RE: [Non-DoD Source] Waiakea-Palai Streams COE Landowners Meeting on April 30, 2019 Follow-up Questions (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Clyde, et al.,

Good morning. I do apologize that it's taken so long to get full responses to your original inquiries, but they are attached. They were great questions, and deserved full attention and response.

Also attached is a copy of the presentation for tonight's public meeting at the Golf Course. I hope you will be in attendance. Tomorrow, my entire team and I will be available to meet with you at your properties to discuss the feature, the real estate, as well as answer questions. Then you will have until July 8, 2019 to make formal comments on our draft report. We do hope that you will make comments and express concerns so that we can incorporate it into the final report due out in September.

Thanks,

Jeff Herzog

V/R

Jeffrey A. Herzog
Project Manager
CEPOH-PPC
O: 808-835-4029
C: 808-202-7204
E: jeffrey.a.herzog@usace.army.mil

Building 230, Room 307
Fort Shafter, HI 96858

-----Original Message-----

From: Clyde Nagata [<mailto:clyde.nagata@gmail.com>]
Sent: Friday, May 3, 2019 8:45 AM
To: Herzog, Jeffrey A CIV USARMY CEPOH (USA) <Jeffrey.A.Herzog@usace.army.mil>
Cc: 'Nancy Aoki' <aokine45@gmail.com>; 'Joyce Anderson' <jhanderson@hawaiiantel.net>
Subject: RE: [Non-DoD Source] Waiakea-Palai Streams COE Landowners Meeting on April 30, 2019 Follow-up Questions

Thank you for your reply/confirmation. My responses below in red.

From: Herzog, Jeffrey A CIV USARMY CEPOH (USA) [<mailto:Jeffrey.A.Herzog@usace.army.mil>]
Sent: Thursday, May 2, 2019 10:06 PM
To: Clyde Nagata
Cc: 'Nancy Aoki'; 'Joyce Anderson'
Subject: Re: [Non-DoD Source] Waiakea-Palai Streams COE Landowners Meeting on April 30, 2019 Follow-up Questions

Clyde,

Both were received. I have my team working on answers to your first email. I fully plan to have a response to you prior to our next Visit on the 21-23, that way you can have time to read over it and discuss in person. Thank you.

Curious about this latest email, would you be suggesting a full diversion of Palai under the property or a partial diversion as we are currently showing?
An underground system like that will always be more expensive, currently we estimate the diversion at \$2.8 Million, underground diversion of Palai could triple that. As noted below, either from the culvert that goes below Ainalako Rd or above it, place the culvert underground below Ainalako Road and take it to the closest point to the 4 Mile Creek then direct it into it.
Not sure if the Ainalako Road now crosses the 4 Mile Creek or not but there must be a point that is closest to the Ainalako Rd. With this option there should be minimum impact of above grade infrastructures on the two properties but I understand that it may be more costly than the present proposed option. What would be the benefit to cost ratio. The benefit should include possible future residential subdivision on the 4 properties or 3 properties if possible.

How would you all feel about the project helping Mother Nature develop the stream by actually creating the stream's channel and directing it into four mile creek? Doing so would potentially keep the cost down and still reduce the flooding. Certainly we wouldn't consider a concrete channel, it would likely be a natural stream channel with armor rock similar to many other stream beds on the island. Geologically, the stream bed will likely form anyway, we would be expediting the process and directing it into four mile creek. Nancy Aoki and Joyce Anderson would need to evaluate this as installing permanent concrete channel will leave an above grade structure on their properties which will impact future use of the land. On Joyce Anderson's property, the COE will need to consider how the residents on Joyce Anderson's property will cross this open channel (require a bridge) to get to their home. Personally, though, I would prefer a permanent concrete channel sized for more than the present level of "#years storm". At least some development could possibly occur in its proximity. However, if it is determined that no development can be done, then the government should purchase the whole 5 acre lot (Nancy Aoki at fair market value), otherwise she would not be able to do any land improvements and still be required to pay the COH land taxes...which I think is unfair. The present COE proposal uses her land as a ponding/catchment area to drain

through the open weir and spillway. This option also takes away her option for any land improvements.

The difference between your email and my channel concept is the idea that it remains open to sunlight and the opportunity for natural habitat such as flora, fauna, birds and insects to flourish in a natural stream channel.

This is merely brainstorming and would require much more analysis as to the economic and environmental impacts. We appreciate you staying engaged and participating.

Finally, was there a plan to develop that property into a home or was the risk of flooding a prohibitive factor? When my parents purchased the property (20+ acres at that time - one lot), there was always the thought of the children living on the land or later develop into a residential subdivision. As years passed, it became apparent that more and more water came onto the property. In fact I recall the property to the south (the one you showed on your slide that was not developed previously) had a creek or so and water flowed in that area. Now that whole area is developed and the water perhaps now flows onto our property.

Aloha nui loa, have a great weekend,

Jeff Herzog

Sent via the Samsung Galaxy S8, an AT&T 5G Evolution smartphone

----- Original message -----

From: Clyde Nagata <clyde.nagata@gmail.com>

Date: 5/2/19 21:46 (GMT-10:00)

To: "Herzog, Jeffrey A CIV USARMY CEPOH (USA)"
<Jeffrey.A.Herzog@usace.army.mil>

Cc: 'Nancy Aoki' <aokine45@gmail.com>, 'Joyce Anderson'
<jhanderson@hawaiiintel.net>

Subject: [Non-DoD Source] Waiakea-Palai Streams COE Landowners Meeting on April 30, 2019 Follow-up Questions

Mr. Herzog:

Got another idea to eliminate the flood water on Nancy Aoki's property. Has the COE looked at placing the portion of the Palai stream on Aoki's property underground through a large culvert/tunnel system? Say perhaps starting from the upper side of where the existing culvert goes under the road or further upstream, build it under the road and take it to the closest point of the 4 Mile Creek? Let me know if this was considered? If not, can it be an option that is added to the study?

Please confirm receipt of this e-mail and the earlier e-mail dated May 1, 2019.

Thank you.

Clyde H. Nagata

808-731 6245

462 Kaanini Street

Hilo, HI 96720

4.9.1 Response to Comment 9

Responses to this comment are contained in the email communications presented above. Ultimately, based on feedback from landowners during public review of the Draft Feasibility Report/Environmental Assessment, the Ainalako Diversion project has been removed from the recommended plan. Evaluations of flood risk management problems and opportunities on Four Mile Creek may occur under a separate study.

4.10 Comment 10 – Clyde Miyamura – Clyde’s Realty

-----Original Message-----

From: C M [<mailto:clydesreal@yahoo.com>]

Sent: Wednesday, May 22, 2019 8:01 AM

To: Herzog, Jeffrey A CIV USARMY CEPOH (USA) <Jeffrey.A.Herzog@usace.army.mil>

Subject: [Non-DoD Source] Waiakea-Palai Streams Hilo, Island of Hawaii (Meeting on 21 May 19) and follow up questions on replaced "Kawailani Bridge"

Attended meeting. Was very informative.

Have follow up questions and concerns about replaced "Kawailani Bridge" project.

Subject: Flood of 2000?

Subject Property: 3-2-4-63-2

1365 Mailani St.

Question: Why is subject property and neighbors (3-2-4-63-3 & 4 etc.) still in flood zone.

I managed the property at time of flooding and still manage property for owner.

After flooding, I had one on one interview with person from (Corp of Engineer??)

Told them that prior to flooding, construction work was done on Kawailani St. on the pasture side across on Mailani St. intersection and it seemed like the pasture fencing was changed from what existed and was replaced by "chain linked fencing". At time of flooding, the run off debris got caught in the chain linked fence; therefore, the fence acted like a dam and held back the run off water. In past heavy rains we had no problems with water backing up on Mailani St. When you look at the slope of the environment, the pasture is the lowest point, than Kawailani St., then Mailani St.

Several months later the chain linked fence was replaced. I was really surprised that someone listened to my input and did something constructive.

There were several meetings for realtors regarding the FEMA flood insurance and flood maps and I noticed that the maps were changed. They told us that we could appeal the changes; however, it seemed like a done deal.

Spoke with Bryson at county and he told me that the county can't do anything and that someone (I) would need to hire an engineer to do flood study and resubmit for review. I inquired with several engineering firms and the cost would be prohibitive because they would have to start from ground zero.

The source of the flood water still exists. The Kawailani Bridge was replaced, and the fencing replaced; therefore, was the cause of the flooding corrected? The most obvious and easiest conclusion is that the area is in a flood zone because the properties flooded once before.

I asked Bryson if he could provide the report that supported the conclusion that the properties are in a flood zone.

Question:

1. Was the flood study updated after completion of Kawaiiani Bridge replacement?
2. Can the Corp of Engineers do an update because they have all the data?
3. What alternatives does a property owner have to change flood zoning?

Thank you for your assistance

Clyde Miyamura

Cel (808)854-6316

Office: Clyde's Realty (808) 935-4611

email: clydesreal@yahoo.com

4.10.1 Response to Comment 10

Hydraulic modeling included blocked obstructions and partial bridge blockages to represent the accumulation of stream bed material under bridges that were observed during past site visits. During the Design and Implementation phase, additional hydrology and hydraulic modeling will further evaluate how the recommend plan interacts with local flood channels, bridges, etc. Based on updated modeling, project features may be refined to minimize any impacts from induced flooding.

The Corps recommends further coordination with the County and FEMA to discuss flood zoning.

4.11 Comment 11 – Dennis Onishi

-----Original Message-----

From: Poppin Fresh [<mailto:fresh19@msn.com>]

Sent: Tuesday, May 28, 2019 7:40 AM

To: Herzog, Jeffrey A CIV USARMY CEPOH (USA) <Jeffrey.A.Herzog@usace.army.mil>

Subject: [Non-DoD Source] Comments to Waiakea-Palai Flood Risk Management Report

Good morning Mr. Herzog,

I have a few questions concerning the proposed plans for Waiakea-Palai streams.

1. You mentioned, from Palai Stream, once it get down by a certain area, a portion of the water will be diverted into the 4-mile bridge stream. By doing so, someone asked about the vegetation right now and you mentioned, all the vegetation will be removed. The question is, "who will maintain the stream once the vegetation is removed and will the removal of vegetation be done to Kanoelehua Avenue bridge?"
2. Because of all the diversions, will the existing channels along Kinoole Street and Kilauea Avenue be able to handle the flows?
3. There are 2 flood channel along side the Machado Acres Walking Park in the Waiakea district which empties into the stream with a bridge at Maunakai Street. The vegetation along the walking park is overgrown and needs to be cleaned.

I see the plans are to limit the amount of flow to a minimum capacity so the old infrastructure we have in the lower areas will be able to handle the increase due to development.

Thank you,

Dennis Onishi

CLASSIFICATION: UNCLASSIFIED

4.11.1 Response to Comment 11

Based on feedback from landowners during public review of the Draft Feasibility Report/Environmental Assessment, the Ainalako Diversion project has been removed from the recommended plan. Vegetation removal on Four Mile Creek near the Kanoelehua Avenue bridge will not be included as part of the Federal (Corps) project. Vegetation management in other areas is being coordinated with the County of Hawaii.

During the Design and Implementation phase, additional hydrology and hydraulic modeling will further evaluate how the recommend plan interacts with local flood channels. Based on updated modeling, project features may be refined to minimize any impacts from induced flooding.

4.12 Comment 12 – Patsy M. Matsuo – Local Resident

July 1, 2019

Mr. Jeffrey A. Herzog
U. S. Army Corps of Engineers
Building 230
Attn.: CEPOH-PPC
Fort Shafter, HI 96858

Dear Mr. Herzog:

Subject: Waiakea-Palai Streams, Hilo, Island of Hawaii,
CAP Section 205

My neighbor attended your public meeting on May 21, 2019 on the above subject and gave me a copy of the handout. I was away on an extended trip and, therefore, did not attend the meeting.

I noticed the Public Review period is from June 8 to July 8, 2019 and would like to submit a comment.

I am concerned about Alternative 6: Ainalako Diversion. I live at the end of Kupaa Street and my property is right next to Four Mile Creek.

During heavy rains, water in the creek become a river 1 to 2 feet high and 50 feet wide. A few years ago, after several days of heavy rain, water in the creek reached the top of my 4-foot high wall and also flowed over the top. Fortunately, the wall is constructed of 12-inch wide hollow tile with a concrete base 3 feet below ground. Otherwise, the water would have destroyed the wall.

I believe your plan to (1) construct diversion structure to divert flow into Four Mile Creek or (2) have grassed swale direct overflow from weir into Four Mile Creek will cause water to rise higher than 4 feet and possibly damage Four-Mile Bridge making it unusable.

I would appreciate your considering my comments. If you have any questions, you may reach me at (808) 640-8269.

Sincerely,



Patsy M. Matsuo
175 Kupaa Street
Hilo, Hawaii 96720-5736
(Cell: (808) 640-8269

4.12.1 Response to Comment 12

Based on feedback from landowners during public review of the Draft Feasibility Report/Environmental Assessment, the Ainalako Diversion project has been removed from the recommended plan.