

## Intro

Aloha! Thank you for taking the time to fill out this survey. The survey should take no longer than 10 minutes to complete.

The purpose of this survey is to understand how hikers in Hawai'i feel about paying for trail use.

This survey will help Division of Forestry and Wildlife, who is responsible for managing the Nā Ala Hele Trails, develop a viable payment system that will fund proper maintenance of trails such that hikers can continue to enjoy the beauty of Hawai'i and protect valuable wildlife.

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Consent

### Informed Consent to Participate in Research

The title of this study is "Willingness to Pay Survey Development for Nā Ala Hele Trails". We are inviting you to participate by answering the following short survey. There are no negative consequences if you don't want to take the survey. If you start the survey you can always change your mind and stop at any point.

The goal of this survey is to pilot a questionnaire that will help Division of Forestry and Wildlife to determine a payment system that can adequately generate resources to manage the environmental health of Hawai'i trails while also ensuring equitable trail access.

There is no risk associated with this survey as there is no identifiable information collected. Possible benefits of participation is having your preferences be considered in the design of a future trail payment system.

If you do not want to be in this study but would like to make a comment, you can contact Department of Land and Natural Resources, Division of Forestry and Wildlife at [dlnr@hawaii.gov](mailto:dlnr@hawaii.gov). Survey responses will be stored in a database for affiliated researchers to access and will be kept indefinitely.

For questions about this research, complaints, or problems: Contact Dr. Kirsten Oleson at [koleson@hawaii.edu](mailto:koleson@hawaii.edu)

Your participation is completely voluntary, and you can withdraw at anytime.

- To take this survey, you must be:**
- 18 years or older
  - Be a trail user in the state of Hawai'i

ConsentQ

If you meet the criteria and would like to take the survey, check "Yes, I consent to participate in survey" to continue.

ConsentQ=1

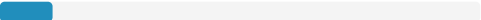
Yes, I consent to participate in this survey

ConsentQ=2

No, I do not consent to participate in this survey

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Hawaii

Do you have a valid Hawai'i state ID?

Hawaii=1

Yes

Hawaii=2

No

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Zip

What is your zip code?

TrailFreq

What kind of hiker do you identify as?

TrailFreq=1

Not a hiker (Less than twice a year)

TrailFreq=2

Rare (At least twice a year)

TrailFreq=3

Occasional (1-3 times a month)

TrailFreq=4

Avid (4-8 times a month)

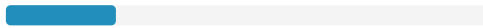
TrailFreq=5

Extremely avid (More than 8 times a month)

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100%

Visitor

Where are you visiting from?

Visitor=1



United States

Visitor=2

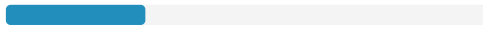


International

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100%

ChoiceExp

The next section of the survey is a choice experiment. It will help researchers understand what trail attributes have a greater impact on a hiker's willingness to pay.

For each question you will be given two hypothetical scenarios to choose from. Each scenario includes 4 trail attributes: forest health, trail traffic, trail condition, and cost.

**Forest health** refers to amount of native plant and animal species. This can be poor (little to no native species), average (some established native species), or excellent (abundant native species).

**Trail traffic** refers to how many people you will encounter on the trail. Traffic can range from low (encounter very few hikers), average (occasionally encounter other hikers), and high (constant encounters).

**Trail condition** refers to the condition of safety features and signage for informational and navigational purposes. Trail condition can be poor (unsafe walkways and no signage), average (some unsafe walkway conditions and signage), and excellent (safe walkways and adequate signage).

**Cost** refers to the price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

In assessing which scenario you would prefer, you can also choose "NONE: I wouldn't choose any of these" if both scenarios are unfavorable to you.

## EXAMPLE:

	Scenario 1:	Scenario 2:
<b>Forest Health</b>	Little to no native species on trails 	Abundance of native species 
<b>Trail Traffic</b>	Occasionally encounter other hikers 	Encounter very few hikers 
<b>Trail Condition</b>	Safe walkways and sufficient signage 	Unsafe walkways and no signage 

Cost

\$10

Select

\$5

Select

Neither options:

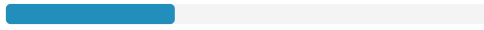
NONE: I wouldn't choose any of these.

Select

Back

Next

0%



100%

CBC\_Random1

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

(1 of 8)

**Forest Health**

Little to no native species on trails



Abundance of native species



**Trail Traffic**

Constantly encounter other hikers



Occasionally encounter other hikers



**Trail Condition**

Unsafe walkways and no signage



Safe walkways and sufficient signage



**Cost**

\$5

CBC\_Random1

Select

\$25

CBC\_Random1

Select

NONE: I wouldn't choose any of these.

CBC\_Random1

Select

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Next



CBC\_Random2

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

(2 of 8)

**Forest Health**

Abundance of native species



Some established native species



**Trail Traffic**

Encounter very few hikers



Encounter very few hikers



**Trail Condition**

Unsafe walkways and no signage



Some unsafe walkways and signage



**Cost**

\$10

\$50

CBC\_Random2

Select

CBC\_Random2

Select

NONE: I wouldn't choose any of these.

CBC\_Random2

Select

Back

Next

CBC\_Random3

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

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**Forest Health**

Little to no native species on trails



Some established native species



**Trail Traffic**

Occasionally encounter other hikers



Constantly encounter other hikers



**Trail Condition**

Safe walkways and sufficient signage



Some unsafe walkways and signage



**Cost**

\$5

CBC\_Random3

Select

\$25

CBC\_Random3

Select

NONE: I wouldn't choose any of these.

CBC\_Random3

Select

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Next

CBC\_Random4

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

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### Forest Health

Abundance of native species



Little to no native species on trails



### Trail Traffic

Occasionally encounter other hikers



Encounter very few hikers



### Trail Condition

Some unsafe walkways and signage



Safe walkways and sufficient signage



### Cost

\$5

CBC\_Random4

Select

\$10

CBC\_Random4

Select

NONE: I wouldn't choose any of these.

CBC\_Random4

Select

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Next

CBC\_Random5

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

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**Forest Health**

Some established native species



Abundance of native species



**Trail Traffic**

Constantly encounter other hikers



Constantly encounter other hikers



**Trail Condition**

Unsafe walkways and no signage



Some unsafe walkways and signage



**Cost**

\$10

CBC\_Random5

Select

\$50

CBC\_Random5

Select

NONE: I wouldn't choose any of these.

CBC\_Random5

Select

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CBC\_Random6

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

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**Forest Health**

Little to no native species on trails



Some established native species



**Trail Traffic**

Constantly encounter other hikers



Occasionally encounter other hikers



**Trail Condition**

Safe walkways and sufficient signage



Unsafe walkways and no signage



**Cost**

\$50

\$25

CBC\_Random6

Select

CBC\_Random6

Select

NONE: I wouldn't choose any of these.

CBC\_Random6

Select

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Next

CBC\_Random7

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

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### Forest Health

Little to no native species on trails



Some established native species



### Trail Traffic

Occasionally encounter other hikers



Encounter very few hikers



### Trail Condition

Some unsafe walkways and signage



Safe walkways and sufficient signage



### Cost

\$25

CBC\_Random7

Select

\$5

CBC\_Random7

Select

NONE: I wouldn't choose any of these.

CBC\_Random7

Select

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CBC\_Random8

## Which trail scenario do you prefer?

The different scenario variables are as follows:

**Forest health:** The amount of native plant and animal species on a trail

**Trail Traffic:** How many people you will encounter on the trail

**Trail Condition:** Condition of safety features and signage for informational and navigational purposes

**Cost:** Price each adult hiker would pay per use for that hypothetical trail scenario. Remember that revenue earned will be used to properly maintain trail health, condition, and longevity.

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**Forest Health**

Abundance of native species



Some established native species



**Trail Traffic**

Encounter very few hikers



Encounter very few hikers



**Trail Condition**

Some unsafe walkways and signage



Unsafe walkways and no signage



**Cost**

\$10

\$50

CBC\_Random8

Select

CBC\_Random8

Select

NONE: I wouldn't choose any of these.

CBC\_Random8

Select

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TrailPaymentType

Trail payment is important for the maintenance and longevity of trails. Which of the following payment options would you rather choose?

- TrailPaymentType=1 Buy a day pass
- TrailPaymentType=2 Buy a weekly pass
- TrailPaymentType=3 Buy an annual pass
- TrailPaymentType=4 I would not pay

AnnualPrice

If trail use was charged annually, how much would you be willing to pay for an annual pass?

- AnnualPrice=1 \$20-\$30
- AnnualPrice=2 \$31-\$40
- AnnualPrice=3 \$41-\$50
- AnnualPrice=4 More than \$50

Q1

Indicate your agreement with the following statements (1 strongly disagree to 5 strongly agree):

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree
I prefer for any payment for trail use to be on a voluntary basis	<input type="radio"/> Q1_r1=1	<input type="radio"/> Q1_r1=2	<input type="radio"/> Q1_r1=3	<input type="radio"/> Q1_r1=4	<input type="radio"/> Q1_r1=5
I believe that all trail users should pay a mandatory fee	<input type="radio"/> Q1_r2=1	<input type="radio"/> Q1_r2=2	<input type="radio"/> Q1_r2=3	<input type="radio"/> Q1_r2=4	<input type="radio"/> Q1_r2=5

Access

Would charging a fee at Nā Ala Hele Trails impact your ability to access the trails?

- Access=1 Not at all
- Access=2 Somewhat



Access=3

Very much



CulturalAccess

If you are Native Hawaiian, would charging a fee at Nā Ala Hele Trails impact your ability to practice Hawaiian culture?

CulturalAccess=1

N/A



CulturalAccess=2

Not at all



CulturalAccess=3

Somewhat



CulturalAccess=4

Very much



Comments

Any comments you would like to make?

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0%



100%

Terminate

Mahalo for taking the time to complete our survey.



Term2

Mahalo for your time.

