

Tuesday, October 3, 2023

MAKAI



10:05 - 10:50

(Group 1)

GIS mapping 101: The why and how of capturing data



Amber Ternus
Hawaii Digital Equity
Coordinator
Hawaii Broadband &
Digital Equity Office



Brad Kaleo Bennet
Executive Director
'Auamo Collaborative

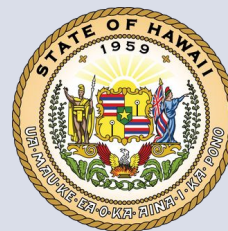


Issa Moffett
GIS Consultant
Community Mapping LLC

11:00 - 11:45

(Group 2)

GIS mapping 101: The why and how of capturing data



GIS MAPPING 101 THEY WHY AND HOW OF CAPTURING DATA

Presented by the Hawaii Department of Business and Economic Development, and the 'Auamo Collaborative



DE SURVEY TEAM



Kaleo Bennett



Issa Moffett

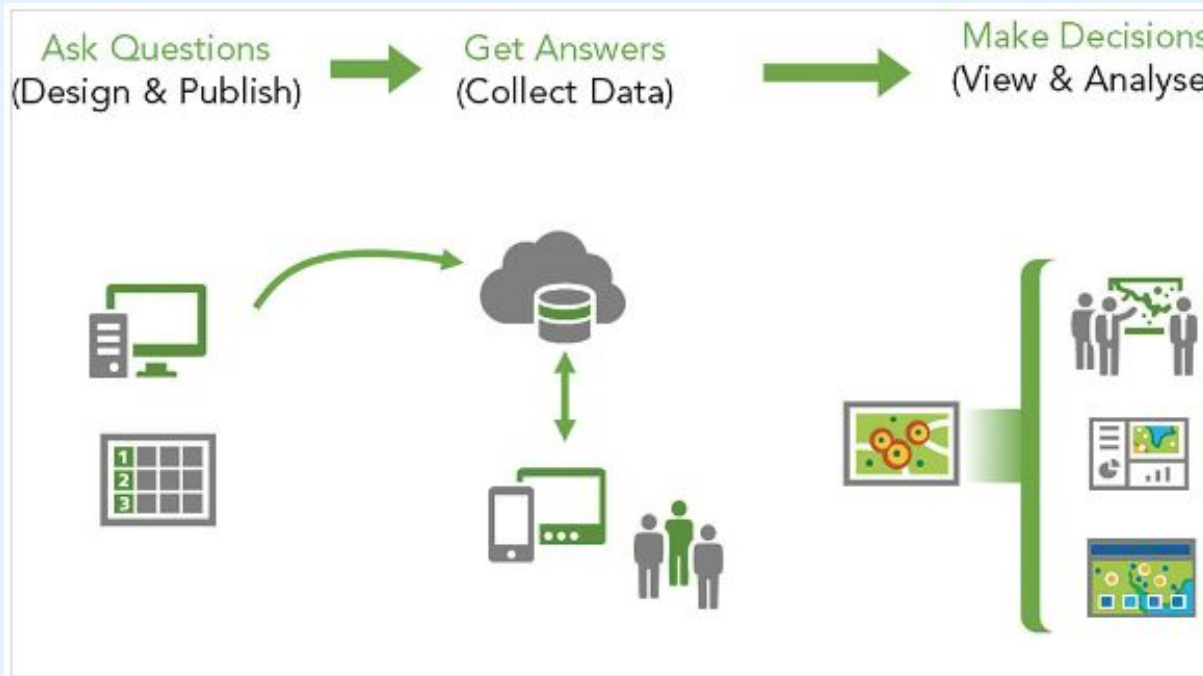


Amber Ternus

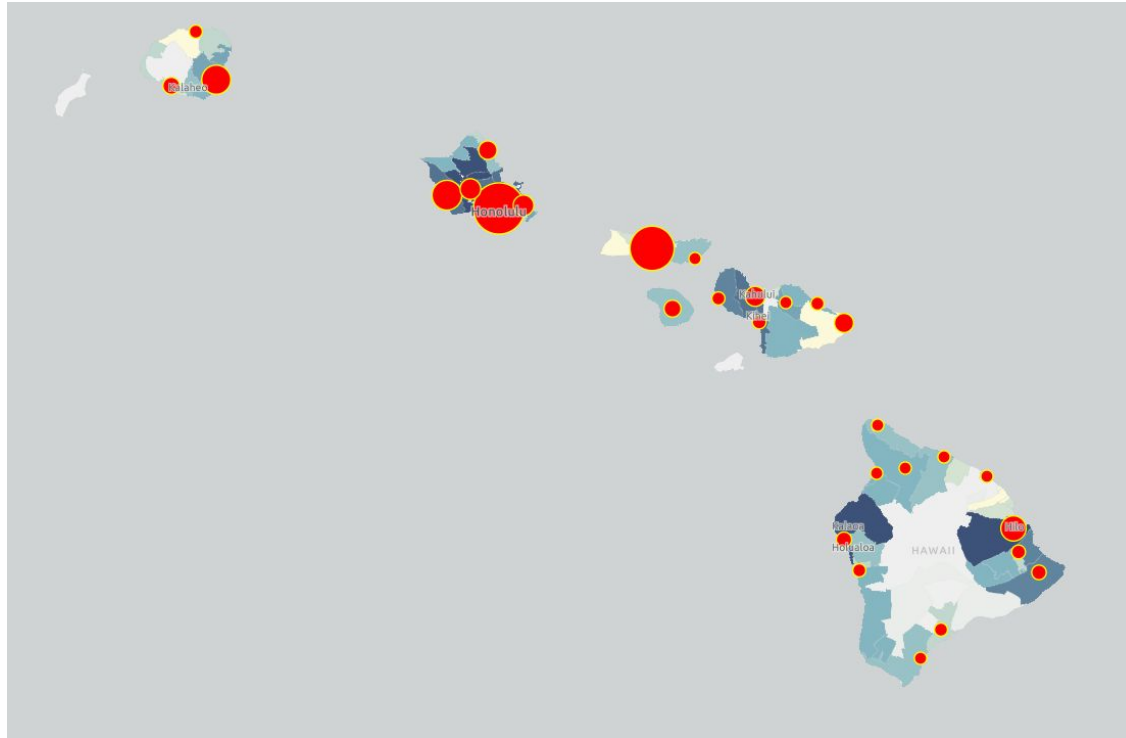


ESRI Survey 123 Application

Create a survey to answer key questions and map information-
anyone can input data and the results can be visualized!



DIGITAL EQUITY PROJECT TRACKING SURVEY RESULTS



THE DIGITAL EQUITY EVENT TRACKING MAP

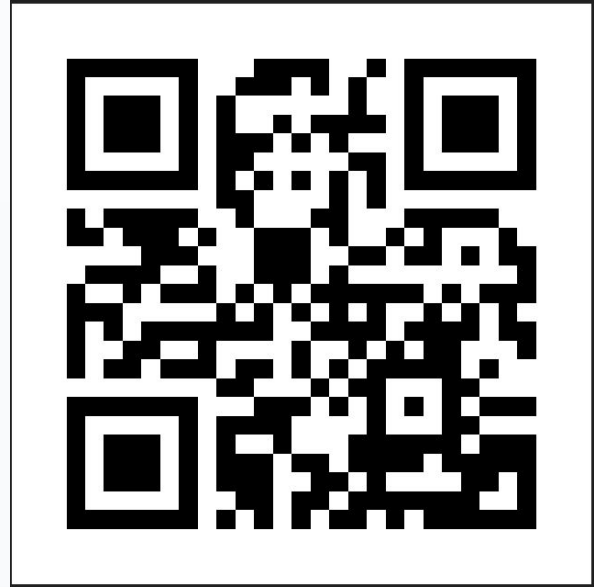
- Planning began in December of 2022.
- A team worked on the questions, design, format and launch for 4 months.
- The team members were from: HBDEO staff and intern, State GIS Office, and a FEMA GIS specialist
- Prototyping and successful alpha build launched in February.
- Official launch on May 3rd of this year.
- As of September, over 350 activities recorded!





Hawai'i Digital Equity Project Survey

This survey has a drop-down menu with questions about the type of event, number of participants, location, and funding source. We developed the survey to track and map events, identify areas that need more outreach, and for future grant reporting.



Survey Dashboard

BB Hui Mtgs

157

ALICE
Households

143.8k

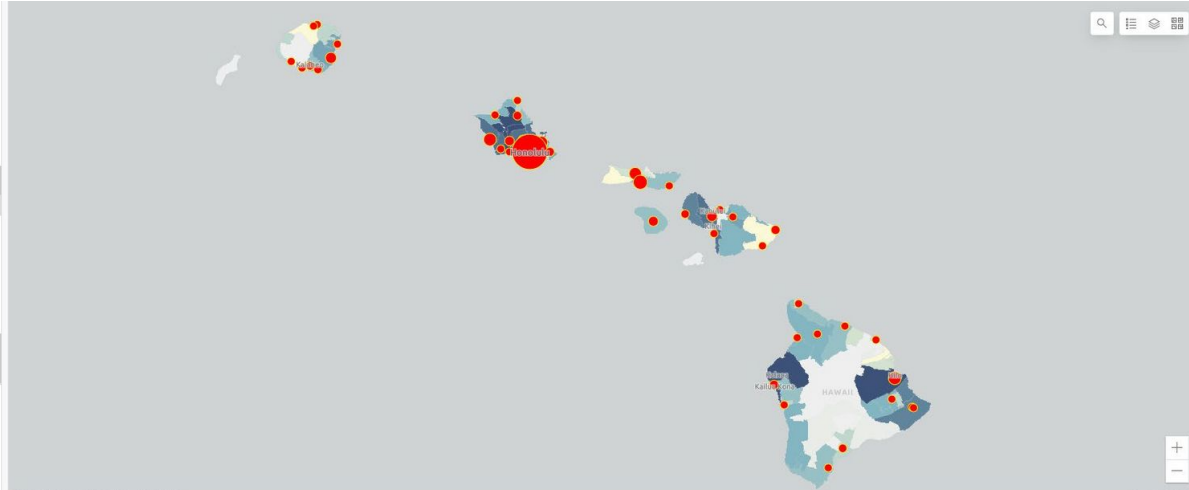
for Zip Codes in this map view

ACP Subscribers

(June 1, 2023)

44.9k

for Zip Codes in this map view



Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

Powered by Esri

Total Events

274

Total Attendees

11.9k

for all events in this map extent

ACP Events

57

Attendees

5.3k

Computer classes

142

Students

2.6k

Workforce Development

3

Attendees

17

Meetings

64

Attendees

427

Other Activities

7

Attendees

3.6k



CONTACT US

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PHONE: 808-587-9001



**AFFORDABLE
CONNECTIVITY PROGRAM**

SCAN ME!



DIGITAL EQUITY PLAN

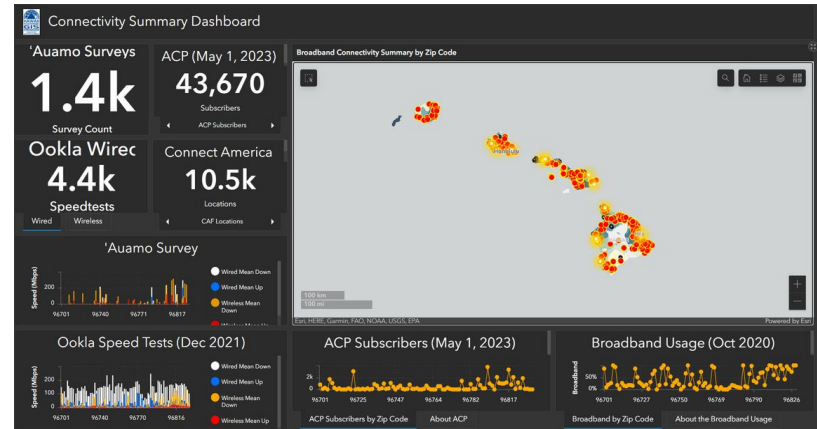


Auamo Collaborative's Speed Test Project

Project aims to understand the following:

- Extent of broadband coverage
- Extent of digital redlining
- Provide a clear map of actual vs. claimed coverage
- Inform policy efforts that aim to create community-led solutions
- Inform & Advocate towards creative solutions and efforts

Dashboard



Prepared by SoH for 'Auamo
<https://www.auamocollaborative.org/rural-broadband>



'Auamo Collaborative Speed Test Website

COMING SOON

407 Kaumana Drive
Hilo HI 96720
auamocolaborative.org



'Auamo Collaborative
Maoli Nonprofit Corporation

Hawai'i Broadband Speed Map

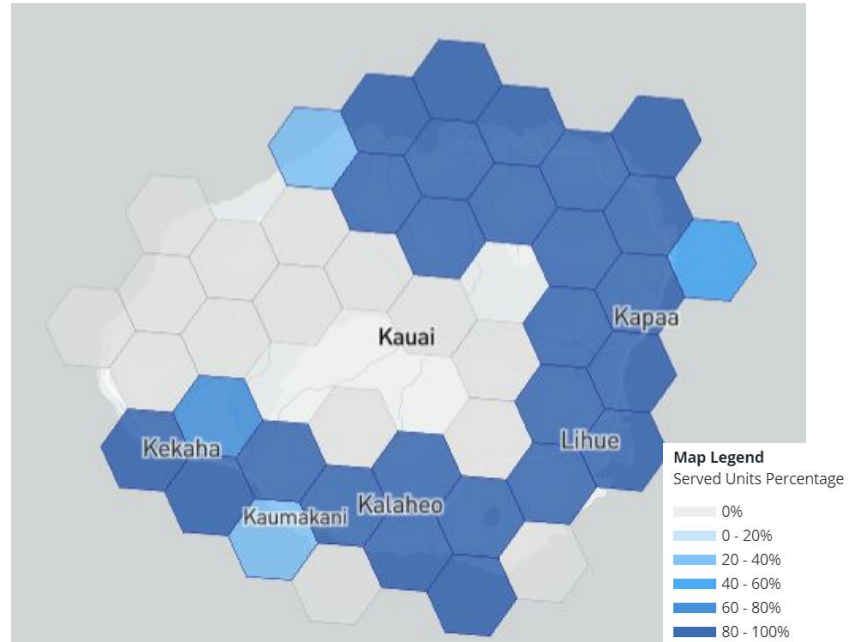
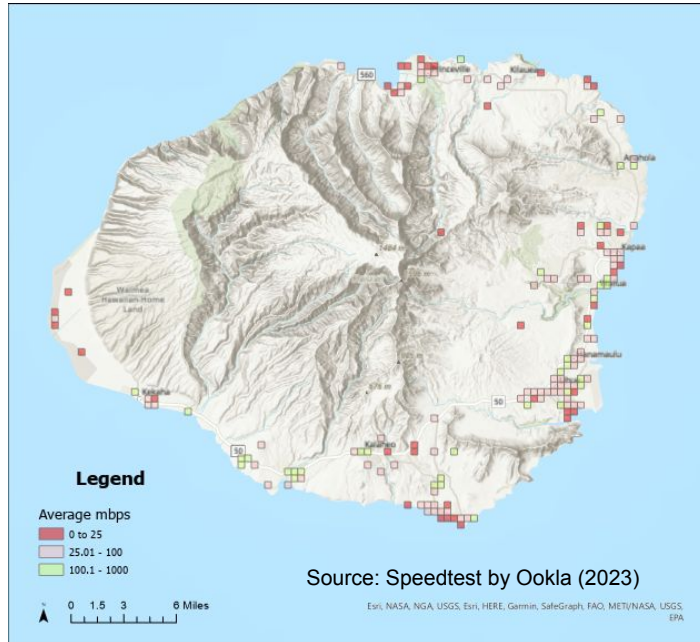
What is Hawai'i Speed Test?

Hawai'i Speed Test is a broadband connectivity initiative sponsored by 'Auamo Collaborative, a Hawai'i nonprofit dedicated to improving outcomes and building resilience in communities across Hawai'i. This site provides a simple and convenient place for us to collect broadband speed data from locations all over the state in a publicly available map that anyone can use to track how

Let's Chat!



Claimed Speeds: Avg Observed vs ISP Reported



GIS Datasets

- 'Auamo Survey - Community Responses
- Speedtests for Ookla
- FCC Broadband Map
- ACP
- Census / Demographic
- Community Anchor Institutions
- Other

Analysis

- Claimed Speeds: Do They Exist At or Near the Challenged Locations
- Hot Spot & Statistics
- Temporal Analysis
- Geographical Limitations & Opportunities

Outcomes

Advocating & supporting for people who don't have access to resources & historically underserved / underrepresented

Identify households & businesses lack internet connection and why

Discover where community digital services are most needed (telehealth, digital literacy, etc.)

Inform the direction of funds toward providing reliable broadband access

Better inform the various technical and policy ambitions and outcomes.



Best Practices for Speed Tests

PERCEPTION

Bad tests are because of
poor wi-fi

PERCEPTION

Residents only subscribe
to low speed packages

PERCEPTION

People only test when
there is a problem

REALITY

We can eliminate speed
tests with weak wi-fi

REALITY

% of rural subscribers
opt for top speed

REALITY

Both problems and resolutions
prompt speed tests. We can focus
results on max speeds

Source: Reid Consulting Group, May 2023

Report: https://drive.google.com/file/d/1paXJwKt_eBobnc-kuvR2MSrBLKaIrYDK/view?usp=drive_link



Talk Story

- "What are your thoughts on [topic]?"
- "How do you envision [project/issue] benefiting our community?"
- How can we support community events & your efforts?
 - Is anything missing that would be useful?
- "What challenges or concerns do you have about this project"

Email: kokua@auamocolaborative.org



LET'S ALL TRY

USING THE TRACKER

- 1. SCAN THE CODE WITH YOUR PHONE →**
- 2. WRITE "TEST" IN THE SUBJECT AREA**
- 3. TRY AND LOG THIS EVENT- HOW MANY PEOPLE/FUNDING FROM STATE,
COUNTY (OR PHILANTHROPIC)**
- 4. DATE**
- 5. ADD A PICTURE**
- 6. ADD THE LOCATION**
- 7. HOW DID IT GO?**

