

HIGICC Newsletter - February 2021



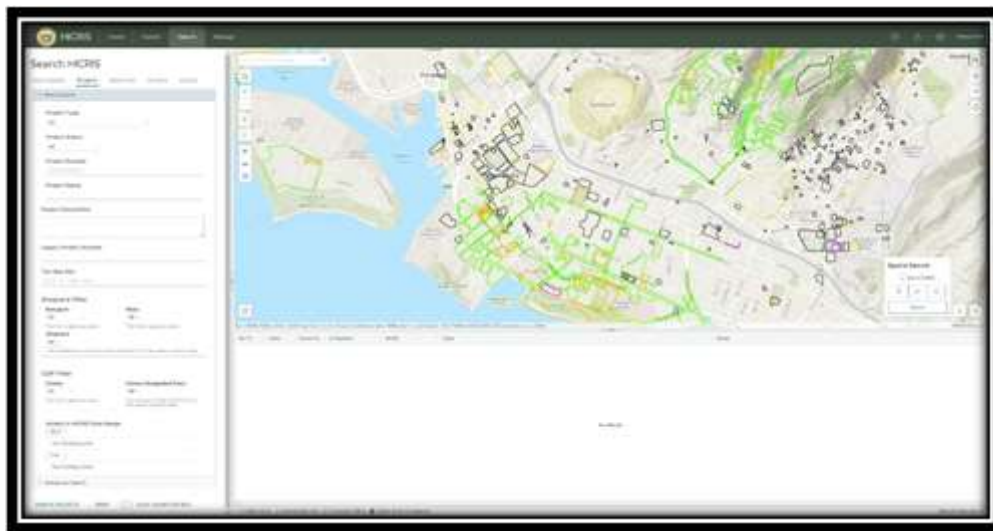
SHPD's Hawai'i Cultural Resource Information System

Mike Wahl, State Historic Preservation Division

The Department of Land & Natural Resource's State Historic Preservation Division (SHPD) is pleased to announce the launching of a new application called the Hawai'i Cultural Resource Information System (HICRIS). This new system has been in development for the past 4 years with an aim to hasten the workflow of the review & compliance process as well as enhance research and communication between SHPD and project proponents. HICRIS integrates the SHPD intake system with library reports and correspondence items through a GIS interface that allows users to submit project information and research project areas for previously identified cultural resources while improving communication with SHPD reviewers. The overall goal of HICRIS is to provide reviewers and stakeholders with accurate information in a short amount of time so they can make better informed decisions regarding land use and enable SHPD to better preserve and protect the cultural resources in Hawai'i.



HICRIS is powered by a SQL Server Database Engine and an ArcGIS Enterprise Portal hosting over 10,000 historic properties throughout the state as well as tens of thousands of reports, surveys, and correspondence files. Users can search for projects by project numbers, site numbers, report and survey IDs, TMK (Tax Map Key) numbers, or through a webmap interface. They can also submit new projects, digitize their project areas, and attach information and reports concerning the work they are doing for SHPD to review. Submitters can either draw the polygons for their project areas and cultural resources they have identified, or they can upload a shapefile for each feature they wish to submit. SHPD reviewers can then easily access this information and correspond with submitters and stakeholders in a timely fashion.



If you are interested in HICRIS, please visit the application at <https://shpd.hawaii.gov/hicris/landing> and complete the registration form. For additional information, please visit the SHPD website at <https://dlnr.hawaii.gov/shpd/>.

[STEMworks Seeking Host Companies for Summer Internship Program](#)

Katie Taladay, STEMworks

Do you have a project that you want to complete, but don't have the time or team member with the needed skills to get it done? STEMworks can help by matching your project with a talented local high school student who will help you get the job done!

This will be a 6-week summer internship beginning on June 14th. The internship is intended to be virtual, but in-person internships may be considered if safety precautions can be met. The cost to the host company is \$1500/intern which covers the intern’s stipend and the STEMworks professional development program. Interns will receive professional development from STEMworks one day each week and will be available to work with the host company 4 days/week. The host expense can be waived if a company is not able to afford to make this tax-deductible contribution. Interns are paid a \$1000 stipend at the end of the program upon completion of all of their tasks. This is to ensure that the companies have full participation and dedication from their interns. Find the program flyer here: https://files.hawaii.gov/dbedt/op/gis/misc/Host2021_STEMworksInternship.pdf and the application form here: bit.ly/STEMworksHost2021. For more information, visit www.stemworkshawaii.org/internships or email katie@medb.org.

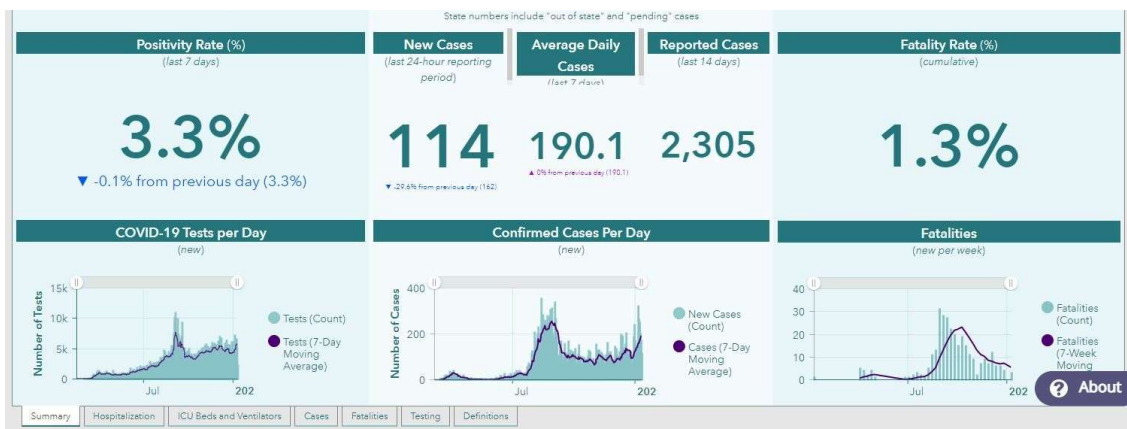
Statewide GIS Program Assists with COVID Response Efforts

Christine Chaplin / Arthur Buto, Hawaii Statewide GIS Program

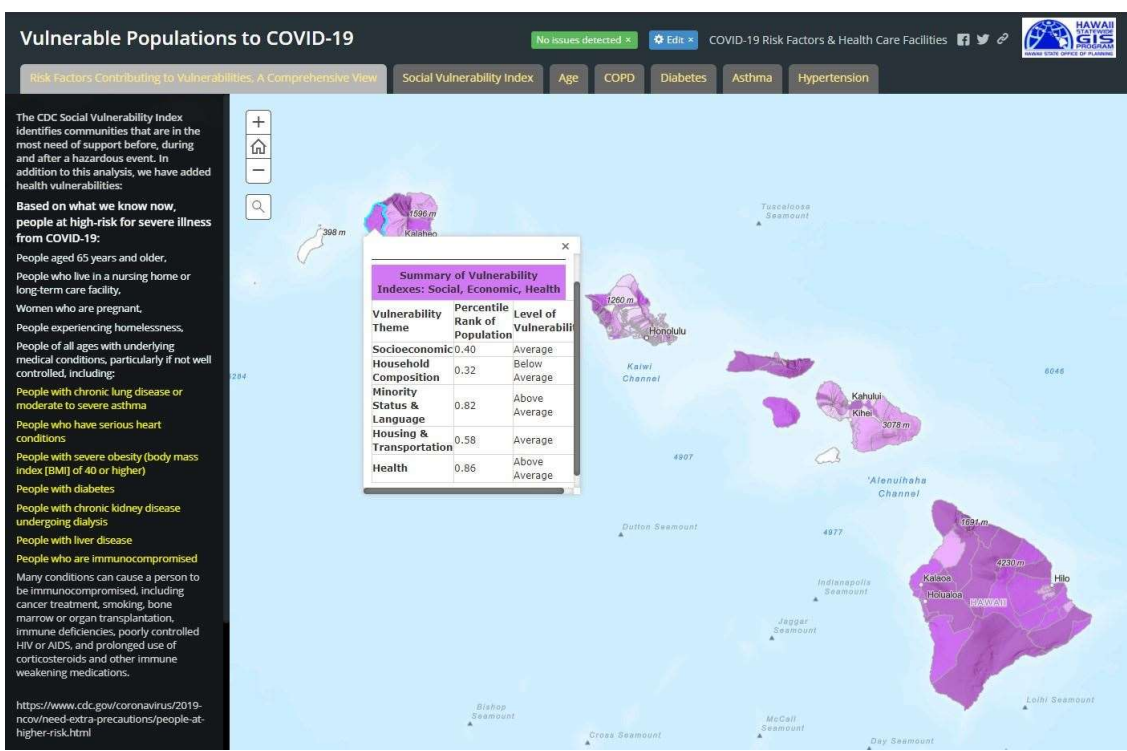
Since March 2020, the Statewide GIS Program has been actively engaged in the State’s response to the COVID-19 pandemic. As part of a team at HI-EMA, GIS staff assisted with the collection and visualization of data such as daily case counts and daily updates from hospitals. In addition, the state’s geoplatform was used to securely share maps and dashboards with strategic partners like UH, Hawai’i DOH, and the county emergency management agencies. GIS analysis is also helping planners and decision makers by identifying where at-risk populations are located, as well as the locations of and information about healthcare providers and facilities, testing sites, and vaccination distribution and tracking.

HI-EMA Dashboard: <https://hiema-hub.hawaii.gov>:





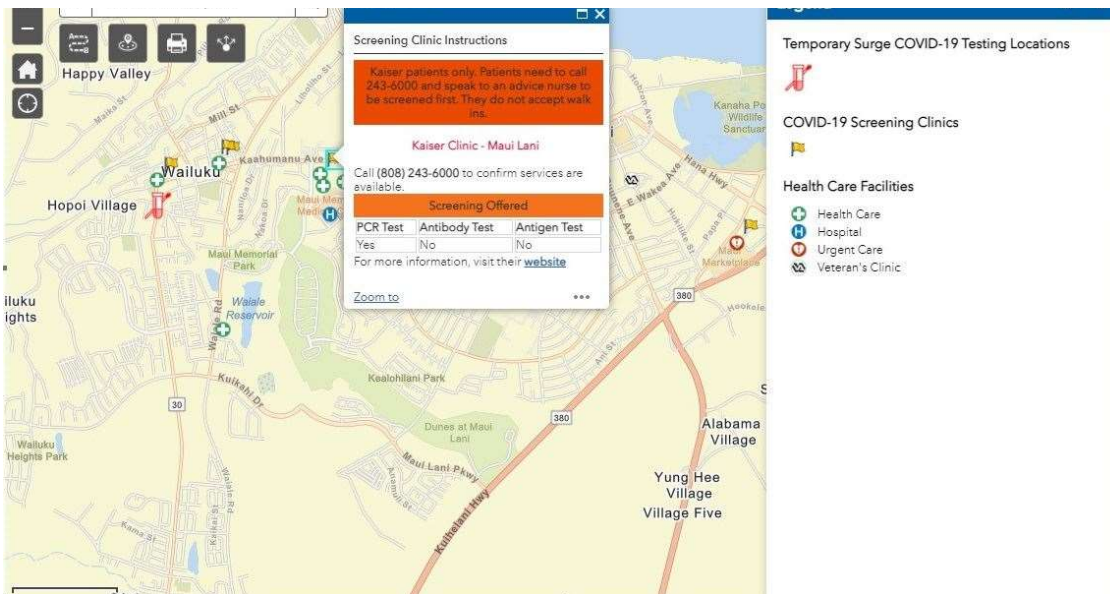
Vulnerable Populations: <https://arcg.is/15KOaT0>:



In addition, prior to the transpacific Safe Travels program, the GIS Program supported the Hawai'i Tourism Authority (HTA) with its development of interisland traveler tracking and quarantine monitoring systems utilizing tools in the state's geoplatform. Weekly calls with HTA, HI-EMA, county GIS staff, and emergency managers and enforcement officers helped agencies to coordinate their activities. The GIS Program continues to support the Safe Travels program by bringing transpacific data into the state's geoplatform facilitating data sharing and enabling the counties to develop applications specific to their needs.

COVID-19 Testing Locator: <https://arcg.is/1Hrm0j0>

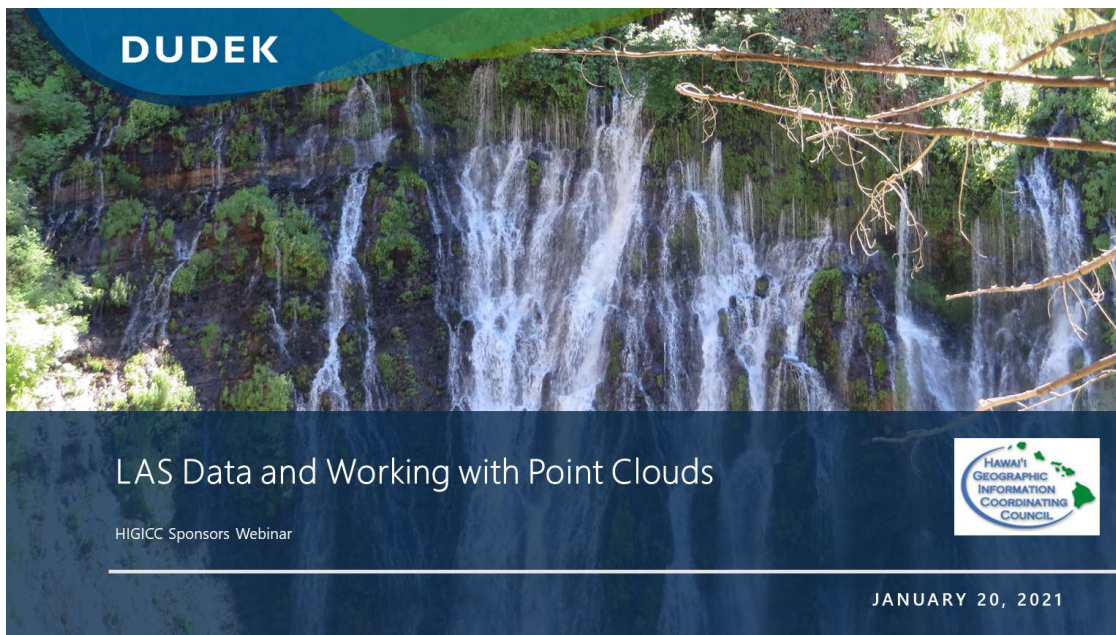




Dudek Hosts Lidar Workshop

Craig Clouet, Dudek

With the start of the new year, HIGICC has initiated a webinar series featuring HIGICC sponsors. The first webinar of the series was presented by Dudek on January 20. The presentation featured a Lidar Point Cloud overview.

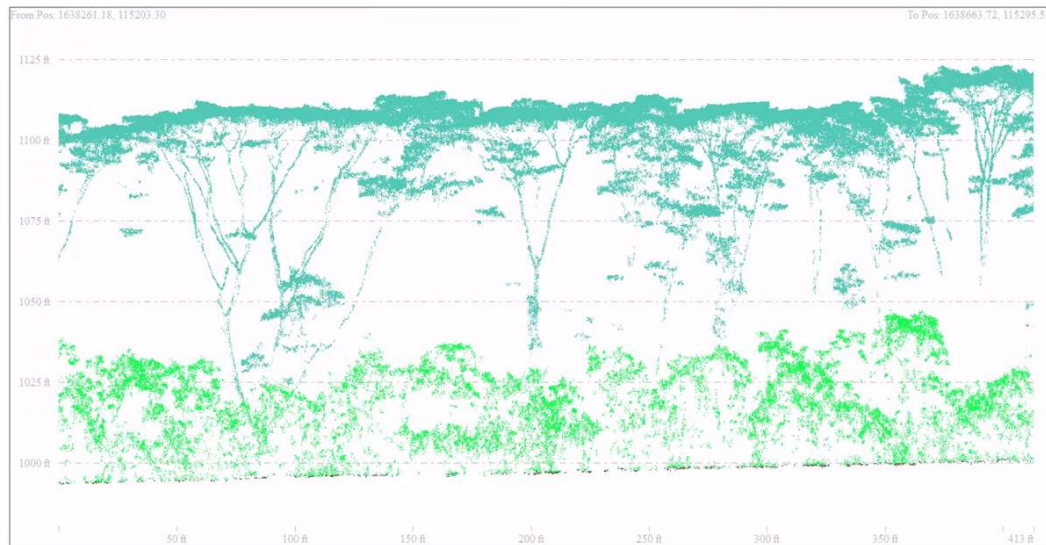


Over 40 HIGICC community members were able to attend. The presentation covered many aspects of LAS data including quality and accuracy, LAS classification, software packages, and data availability.

One important source of free lidar is the State's geoportal: <https://prod->

histategis.opendata.arcgis.com/pages/elevation-service. The USGS also has a great resource at: <https://www.usgs.gov/core-science-systems/ngp/tnm-delivery>. The local NOAA team is also still working to get some recently collected lidar data for Hawaii Island. New flights are ongoing for Maui County and Oahu. Much more lidar will be collected in the Hawaiian Islands and in the NWHI. Also presented was UAS Lidar collected by Dudek. The UAS lidar has an increased point spacing along with greater detail for analysis and visualization.

High and Low Vegetation Classification



If you missed the presentation, here is a link to the recording:

https://dudek.zoom.us/rec/share/bbxWirn768fMtall85lCgPG7ywWIOESmCrvoR9i6tllwKmXb3PM9tN_Num-HWXIH.YY-hZAEHEce7iwPM Passcode:
b5x^H3Zd

HIGICC Hosts Virtual GIS Day Event

Gretchen Chiques, Esri

On November 17, 2020, HIGICC celebrated GIS DAY. This time we went virtual! This allowed us to host students and teachers from across the state - we had 74 participants from 17 schools, with all counties represented!






We hosted four focus sessions. The first was a session about GIS at work, where GIS professionals from UH Manoa, Resource Mapping Hawaii, and Dudek shared with the students and teachers how they use GIS in their professions. The second session showed how to create maps in ArcGIS Online and StoryMaps. Session three showed the students all about ArcGIS Dashboards with a fun exercise using Living Atlas to understand livestock consumption by countries worldwide. We ended the day learning all about Lidar with hands-on exercises to make it more interactive.

We want to extend a Big Mahalo to our volunteers for this event: UH Manoa Arboretum, Dudek, Resource Mapping Hawaii, STEMWorks, and the NOAA Office for Coastal Management – Pacific Islands.


[Frontier Precision to Host Next HIGICC Virtual Workshop](#)

Brennan O'Neill, Frontier Precision

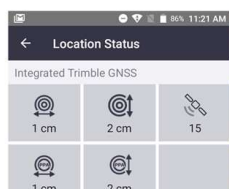
In February, Frontier Precision is up with the important topic of using an internet-based reference station for improved GNSS accuracy. More information to follow on that, but save the date: February 24th at Noon – 1PM




HIGICC, Webinar series February 24, 12-1
Reference Station Installations in Partnership with National Park Service and TerraFlex
 Brennan O'Neill
 Hawaii Pacific Branch Manager
 Frontier Precision



- National Park Service
- Reference Station Uses
- Real Time Corrections








- Real-time Corrections
- Set up
- Testing
- New Tools
- Real-Time Mapping
- TerraFlex
- Data Collection Devices

POSITION	
Latitude	19.638755°N
Longitude	155.991878°W
Height	30.65 m
NPS-KAHO_RTCMv3	
Internet	IN USE
Last Correction	1.0 s
Connection Time	00:01:30



Webinar Information:

Wed, Feb 24, 2021 12:00 PM - 1:00 PM (HST)

Join the meeting from your computer, tablet or smartphone:

<https://global.gotomeeting.com/join/955905997>

You can also dial in using your phone:

United States: [+1 \(872\) 240-3212](tel:+18722403212)

Access Code: 955-905-997

Mahalo to our Sponsors!

