

Volume 39 :: Issue 1

POINT TO POINT

LAE I LAE

Comprised of approximately 70% of the Licensed Land Surveyors in Hawaii. Our objective is to bring together the Land Surveying Community through education and to provide networking opportunities and business resources

Lae I Lae

A newsletter from the Hawaii Land Surveyors Association, an affiliate and a member with the National Society of Professional Surveyors.

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President's Message: The Beauty of a Second Chance

By: Beverly Pascual, LPLS

Being allowed to serve once again as President of the Hawaii Land Surveyors Association is both humbling and deeply meaningful to me. A second term is not something I take lightly. It represents trust, continuity, and—most importantly—a second chance to serve with greater clarity, purpose, and intention.

There is a special beauty in second chances. They bring perspective that only experience can provide. My first term taught me valuable lessons—about leadership, collaboration, and the importance of listening closely to our members. With those lessons in hand, I return to this role with renewed energy and a deeper understanding of what our Association needs to grow and thrive in an ever-changing professional landscape.

As I begin this new term, my word of the year is *kuleana*, which should also be a word that all land surveyors in Hawai'i are familiar with. In Hawaiian culture, *kuleana* is often translated as responsibility or duty, but its meaning runs deeper. It speaks to accountability, stewardship, and a shared obligation to care for something greater than ourselves. For me, *kuleana* perfectly captures what it means to serve as President of the Hawaii Land Surveyors Association.

I see my reelection as a personal privilege—and a responsibility—to help ensure the continued growth and relevance of our Association. Our profession is evolving, shaped by advancing technology, regulatory changes, and increasing public expectations. With these changes comes our *kuleana* to adapt thoughtfully while honoring the foundational principles of land surveying that guide our work.

This term, I am committed to strengthening member engagement, supporting professional development, and fostering meaningful connections within our surveying community. Whether you are a long-standing member, a newly licensed professional, or a student beginning your journey, HLSA should be a place where you feel supported, informed, and proud to belong.

Our *kuleana* also extends beyond ourselves—to the communities we serve and the lands we work on every day. As surveyors in Hawai'i, we hold a unique role. Our work intersects with history, culture, environment, and development. With that comes a responsibility to approach our profession with respect, integrity, and awareness of the values that make Hawai'i unlike anywhere else.

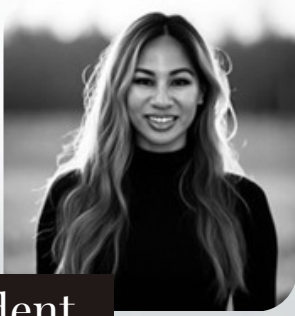
I am incredibly grateful to the Board, our committees, past presidents, and every member who contributes time, knowledge, and passion to this Association. Leadership is never a solo effort—it is a shared commitment. This second term is not about picking up where we left off, but about moving forward together with intention and purpose.

Thank you for the honor of serving once again. I look forward to the year ahead and to fulfilling this *kuleana*—for our profession, our Association, and each other.

With gratitude and resolve,
Beverly Pascual
President, Hawaii Land Surveyors Association



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Events

HLSA Events

March 2026 - WRSC
Main Speakers:
Kristopher Kline, Gary Kent
and Michael Dennis



Look Who's Speaking!



Recent Past Events

- December 2025: Scout's Survey Field Day
- March 2026: HLSA Conference
- March 2026: WRSC Conference

Upcoming Events

- HLSA-HIGICC Geospatial Expo on Hawai'i Island
 - Friday, May 29, 2026
 - At Univeristy of Hawaii at Hilo
- HLSA-HIGICC Geospatial Expo on Kauai Island
 - Tentative Date: Between June and September 2026
- HLSA-HIGICC Geospatial Expo on Maui Island
 - Tentative Date: October 2026
- HLSA's Annual Dinner:
 - Tentative Date: November 2026
 - Location: Keehi Lagoon
- HLSA-HIGICC Geospatial Expo on Oahu Island
 - Tentative Date: Between November 2026 and February 2027
- HLSA-HIGICC Annual Geospatial Conference
 - Tentative Date: March 2027
 - Location: Ala Moana Hotel

HLSA values your opinions and recommendations about topics and speakers for upcoming events, please reach out to the board members.

2026 HLSA-HIGICC GEOSPATIAL EXPO ON HAWAI'I ISLAND

At University of Hawai'i at Hilo
Friday, May 29, 2026



EVENT SPONSOR

AGENDA

Time	Duration	Topic, Presenter, Presenter Affiliation
1000		WELCOME
1000 - 1010	10 MIN	"HLSA OVERVIEW," VICTOR RASGADO (HLSA, STANTEC CONSULTING SERVICES, INC.)
1010 - 1020	10 MIN	"HIGICC OVERVIEW," CLARE MAMURA (HIGICC, PACIFIC GEOSPATIAL SERVICES)
1020 - 1025	5 MIN	Q&A/RESET
1025 - 1045	20 MIN	"APPLICATIONS OF LIDAR DATA IN HAWAI'I COUNTY," SCOTT SWEET (TERRA UNDA)
1045 - 1050	5 MIN	Q&A/RESET
1050 - 1110	20 MIN	"AGROECOLOGICAL MODELING OF HAWAI'I," NOA LINCOLN & THOMAS HAENSEL (UH CTAHR)
1110 - 1115	5 MIN	Q&A/RESET
1115 - 1135	20 MIN	"HAWAI'I DEPT. OF AGRICULTURE AND BIOSECURITY USE OF HIGH ACCURACY DEVICE FOR DATA COLLECTION," DONN KANSAKO (STATE OF HAWAI'I DEPT. OF AGRICULTURE PLANT QUARANTINE)
1135 - 1140	5 MIN	Q&A/RESET
1140 - 1230	50 MIN	"ONE WORKFLOW, TWO WORLDS: INTEGRATING SURVEY AND GIS," MEL PHILBROOK & DANIEL KNECHT (FRONTIER PRECISION)
1230 - 1250	20 MIN	LUNCH
1250 - 1340	50 MIN	"INTEGRATING GEOSPATIAL MONITORING AND MAPPING IN HAWAI'I'S FORESTS AND CULTURAL SITES," OLIVIA JARVIS, NAI'A ODACHI, ANDREW MEYER, KANOA LINDIWE (UH - HILO SPATIAL DATA ANALYSIS & VISUALIZATION LAB)
1340 - 1345	5 MIN	Q&A/RESET
1345 - 1405	20 MIN	"LAHAINA - FIELD TO FINISH CODES FOR LOT SURVEYS," VICTOR RASGADO (HLSA, STANTEC CONSULTING SERVICES, INC.)
1405 - 1410	5 MIN	Q&A/RESET
1410 - 1430	20 MIN	"GROUND CONTROL POINTS AND PARCEL ALIGNMENT," ELISSE DELEISSEGUES (COUNTY OF MAUI, REAL PROPERTY TAX OFFICE)
1430 - 1435	5 MIN	Q&A/RESET
1435 - 1455	20 MIN	"THE FUTURE OF GNSS," ISAIAH MACK (ECLIPSE MAPPING AND GIS)
1455 - 1500	5 MIN	Q&A
1500		CLOSING & GROUP PHOTO

2026
HLSA-HIGICC
EVENT:



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2026 HLSA Annual Conference

HLSA Annual Conference at the Pearl At Kalauao

The recent land surveying conference held on March 11 and 12, 2026 in Hawai'i brought together professionals from across the islands and the mainland for several days of learning, collaboration, and connection. Attendees engaged in informative technical sessions covering emerging technologies, regulatory updates, and best practices unique to Hawai'i's diverse landscapes.

The conference also provided valuable networking opportunities, fostering dialogue between surveyors, educators, public agencies, and industry partners. Set against the backdrop of Hawai'i's natural beauty and strong sense of place, the event reinforced the vital role land surveyors play in stewardship of land, infrastructure development, and cultural preservation, while energizing participants to apply new insights in their work.

Event Recap

WRSC Conference

in Las Vegas, NV

March 18-21

Beverly Pascual and Joe Charles-Ulil Jr. attended the Western Regional Survey Conference (WRSC) in Las Vegas in March 2026. The conference was a 3-day event at the Horseshoe Hotel and included nearly 1300 surveying professionals from 36 different states. It is vital that we in Hawaii maintain relationships with our surveying counterparts on the mainland. While land surveying in Hawai'i reflects unique considerations—such as island geography, volcanic terrain, coastal boundaries, and the importance of cultural and historical land relationships—the profession remains fundamentally the same as on the mainland. At its core, surveying everywhere is grounded in precise measurement, boundary determination, and a commitment to accuracy, serving as the foundation for land ownership, development, and stewardship regardless of location.



WESTERN REGIONAL
SURVEY CONFERENCE

March 18-21, 2026

THE GREAT 8

WESTERN REGIONAL SURVEY CONFERENCE

MARCH 18-21, 2026
THE HORSESHOE, LAS VEGAS, NEVADA



Western Federation of Professional Surveyors

WFPS



FEATURED SPEAKERS:
Michael Dennis, Ph.D., PLS, PE
Gary Kent, PLS
Kris Kline, PLS

Western Federation of Professional Surveyors

WFPS

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More Info at: PLSeducation.org

Western Regional Survey Conference 2026

By: Joe Charles-Uli'i, LPLS

The 2026 Western Regional Survey Conference was an absolute success. They killed it. The committee was not exactly sure how many attendees they would have at the conference. Prior to the event there were a little less than 1,200 individuals that signed up. The day of the conference, chairperson Trent Keenan said there were approximately 1,300 surveyors at the conference. According to Trent this was the largest WRSC conference to date. Without a doubt a testament to all the hard work put forth by the committee members and their teams. And a huge thank you to all the vendors who sponsored the event.

Speakers did an excellent job and were all well versed at their topics. And I also would like to recognize how they made their lectures available to all attendees. That was appreciated. Not only making it possible to follow along but ultimately putting the material in the hands of all attendees. Allowing them to add to their library and to use at their leisure.

Here are summaries of some of the classes from the Western Regional Survey Conference.

NGS: Modernizing National Spatial Reference System

The National Geodetic Survey (NGS) is revamping an ongoing evolving system. The endless amount of NGS observations produced an infinite amount of data which brought the team to the realization that the system needs to be updated. Hence, the much-needed Modernization of the National Spatial Reference System (NSRS).

The speakers were all from NGS, and I would describe them as an all-star panel of geodesy experts. Their presentations showed a strong command of both their individual subjects and the broader topic of modernizing the National Spatial Reference System.

The NGS team agrees that there is a need to enhance the NSRS system. But before moving forward let us spend some time with the NOAA Continuously Operating Reference Station (CORS) Network (NCN), managed by NOAA/National Geodetic Survey.

With CORS, the data collected revealed that something is going on. According to the data, earth's tectonic plates are moving. And, they have been moving for an exceptionally long time, as in like forever. Contrary to widespread belief, which was and still is, that the land is fixed and stationary. Meaning that the distance between two points, regardless of where they are located, will always remain the same.

For example, let us say that the distance between Honolulu and San Francisco is so many miles. If measurements were taken at different times the distance between the two cities would be the same, down to the nearest centimeter. Right? Of course. But as the famous Lee Corso would say, "Not so fast my friend." The observed data from the CORS stations has shown that Hawaii and San Francisco are simultaneously moving in different directions. This poses a problem.

When setting new controls, via GNSS, surveyors are establishing values for those said controls. After measuring the controls using static observation the data is collected, submitted, and processed. Then values are determined and assigned to each control point. These values are intended to remain the same forever. So again, fixed values and moving tectonics plates poses a problem. How can a station be stationary if it is moving?

So how will NGS rectify this problem? Not sure but a few factors are worth mentioning.

Here are some datums used by surveyors and geodesists:

The North American Datum 27 (NAD27) is an older and more traditional geodetic system with Meades Ranch as its reference. Another horizontal system is the North American Datum 83 (NAD83) and the vertical datum being the North American Vertical Datum 88 (NAVD88). NAD83 and NAVD88 have some deficiencies. Due to their deficiencies, they are being replaced.

Western Regional Survey Conference 2026

By: Joe Charles-Uli'i, LPLS

Here is what one will find on the National Geodetic Survey website, "NGS will replace all three North American Datums of 1983 (NAD 83) reference frames with four new terrestrial reference frames (TRF). The TRFs will be accessed by GNSS, including the Global Positioning System (GPS). Each TRF will be mathematically defined relative to the International Terrestrial Reference Frame of 2020 (ITRF2020). Each frame is named for and will rotate at the same average rate as a particular tectonic plate: North America (NATRF2022), Pacific (PATRF2022), Caribbean (CATRF2022), and Mariana (MATRF2022). By rotating with the plate, each frame will minimize changes in latitude and longitude over time in those parts of each plate that are not deforming."

Appreciation to NGS for addressing this issue and them reaching out to the survey community at events like the WRSC conference. Surveyors can find more information on this topic on the NGS website and on certain social media platforms.

I could not cover all the material presented in the NSRS class. This article highlights only a small portion of it. Even so, the session on Modernization of the National Spatial Reference System offered a high-level look at geodesy, and the NGS team did an outstanding job.

Roundtable Session: Outreach & Workforce Development

Trent Keenan, PLS & Sean Ireland, PLS

This session had so much to offer. This group of attendees brought much value to the Roundtable Session. Must say there was no shortage of knowledge and experience there. It seemed like attendees came with a purpose. Which was to see what is going on in the survey community regarding outreaches and workforce developments.

For the sake of those who might not know, "survey association outreaches" are where the public is given opportunities to learn about surveying and to inform them as to the role that survey plays in our communities. And "workforce development" is a program that gives surveyors the opportunity to improve their skills and gives them an opportunity for growth.

During the roundtable, attendees shared what their associations are doing to support local survey communities. The discussion covered a wide range of active outreach and workforce development efforts. The updates gave surveyors plenty to be excited about.

We had the seasoned surveyors with all their years of experience and the new survey technicians who were eager to contribute to the session. There were also the surveyors that filled in that vast portion. That portion between the young and the seasoned. All surveyors, "young", the "seasoned", and the "in between" were all well represented.

Here's a couple of ongoing programs:

College Survey Program

Met quite a bit of surveyors at the conference to say the least. I found each of their stories to be fascinating but one more than the others. This fascinating individual's name was Chris, from CA. Chris works for CalTrans (CA DOT). He has been there for quite some time, and he is currently one of their Senior Surveyor Supervisors.

I found his story to be interesting, especially when he mentioned that he graduated from a survey program at his local university. There are not too many colleges that offer a Survey degree. Those higher learning institutes that do have a survey program offer either a two-year associate's degree or a four-year bachelor's degree. We appreciate all that these schools are doing for the profession. Yet there are few programs like them nationwide. It is an ongoing battle for the survey community to find more colleges who are willing to offer survey programs.

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By: Joe Charles-Uli'i, LPLS

Nonetheless, Chris said that graduating from that university's survey program made an impact on becoming the surveyor he is today. He would highly recommend it to other upcoming surveyors. He believes in it and his daughter is currently enrolled in the same survey program.

Meeting someone who is a product of a program established by surveyors gives it a whole different meaning. Who knows, I hope one day we may have a survey program at one of our higher learning institutes here in the islands.

CST Program

Another fascinating fellow surveyor I met at the conference was one of the representatives from the Western Federation of Professional Surveyors (WFPS). His name is Cotton Jones and he is a WFPS representative from Wyoming.

We got to talk and he shared how he benefited from joining a survey program that has been around for decades. It is the Certified Survey Technician program. Cotton shared how he worked his way from Level One all the way up to Level Four and how CST guided him through it all. He explained how each level helped him improve his skills and prepare him for the next one. A lot of times a surveyor's goal is to become licensed. Which is exactly what he accomplished.

Here is a look at the four CST levels.

- Level I: Technicians demonstrate basic survey knowledge. Technicians demonstrate basic knowledge of operating field equipment.
- Level II: Technicians demonstrate detailed knowledge of surveying. Technicians become familiar with field notes and plan reading and are able to operate field equipment at the intermediate level.
- Level III: Technicians demonstrate knowledge of survey computations and field operations. Well-versed with field notes, plan interpretation, and preparation. Possess supervisory skills and working knowledge of field and office procedures. Has knowledge of professional standards.
- Level IV: Technicians have comprehensive knowledge of field operations. Possesses independent judgment, communication, and supervisory abilities. Shall be well versed in daily operations for field and office. Individuals must possess advanced technical and supervisory skills.

Side note, a certificate at each level is a requirement and is obtained by way of taking and passing an exam for that particular level.

The Certified Survey Technician and College Survey Program are a couple of proven programs that have been in existence for quite some time. They continue to help surveyors improve their skills and reach their personal goals. It is extremely rewarding to see programs accomplish that to which they were intended.

Boundary Laws and Principles Kris Kline, PLS

A survey phrase to always remember, "Is your survey able to stand in the court of law?" In this class the speaker presented cases where surveys performed were able to stand in the court of law and cases where they did not.

Kris Kline is a licensed surveyor in the state of North Carolina. I and as well as many others, would consider him to be an expert when it comes to Boundary Survey. I was extremely impressed at how he was able to bring the two professions together. Boundary Survey and the Law.

In this class Kris covered boundary related cases from Washington state to Indiana to Massachusetts and to Florida. This class covered the entire nation.

Western Regional Survey Conference 2026

By: Joe Charles-Uli'i, LPLS

Common Law & the Surveyor

Licensed surveyors have pledged to protect the public and protect the profession. Licensed surveyors have agreed to perform to the standards set forth by the governing body. Here is a case where a surveyor actually did not go the distance required to deliver a quality product.

The 'Cogo Slave'

"Ethics For the Professional Surveyor 2nd Ed."

Author: Dennis Moulard: "Witness Tree Publishing."

- Quote from textbook, "But as with any scientific technological advance in our profession, there is a tendency to abuse it or misuse it."
- While bearings and distances should be a tool that is subordinate to other *rules of construction*, we see this happen more than we should.

Surveyors setting boundary corners solely based on their calculations, aka COGO, resulting in "Pin Cushions" rather than holding *Rules of Construction or Priority of Calls* where applicable.

Common Law & the Surveyor

Do courts at times reference survey textbooks when determining if survey perform is in accordance with the *law*?

NEV.: *Textbook & Surveyors "Calling"*

Thomsen v. Keil: 48 Nev. 1 (1924)

- A "lost" corner is defined as follows: "A *lost corner* is a point of a survey whose position *cannot* be determined, beyond a reasonable doubt,.....original monument, and whose restoration can be accomplished only by means of a suitable surveying process with reference to interdependent existent corners."
- Clark on Surveying and Boundaries, sec. 376, quoting from rules of the *Department of Interior*.

The answer to the question is yes. There are many times that the courts turn to survey textbooks for certainty when resolving boundary disputes.

NEV.: *Textbook & Surveyors "Calling"*

Hanneman v. Downer: 110 Nev. 167 (1994)

- "Dishonesty in ordinary business life cannot long be hid and errors in accounts quickly come to light, but the false or faulty survey may pass unchallenged through the years, but a surveyor himself is qualified to judge it."
- Walter G. Robillard and Lane J. Bouman, *Clark on Surveying and Boundaries* § 2.04, p. 30 (6th ed. 1992) ...
- Additionally, NRS 625.330 makes it unlawful for a surveyor to sign, stamp or seal any plat, map, report, or document relating to land surveying which the surveyor himself did not prepare or for which he did not have "responsible charge of the work."

These are a couple examples of survey principles found in *textbooks* that have been referenced by the *Judicial System* to determine what is just and what is the right course of action.

Western Regional Survey Conference 2026

By: Joe Charles-Uli'i, LPLS

Original Intent & the Four Corners Rule

Here we see the court clarifying that they are legally bound to determine parties' intent at the time that the instrument was created and to have those said intentions deliver all to a just ruling.

CO: Intent From All the Words

Killgore v. Cranmer: 35 Colo. 485 (1906)

- ...the intention of the parties is to be ascertained from the written instrument, ...
- ...and every clause and every word, where possible, shall have assigned to it some meaning, ...
- ...to the end of the instrument,

CO: Intent at the Time

Killgore v. Cranmer: 35 Colo. 485 (1906)

- "The only rule of much value ... is to place ourselves as near as possible in the seats which were occupied by the parties at the time the instrument was executed, then, taking it by its four corners, and read it.

CO: Intent of the Parties

Killgore v. Cranmer: 35 Colo. 485 (1906)

- "In giving construction to deeds, we are confined to the terms of the instrument itself, ...
- ...the object being to ascertain the intention of the grantor, as expressed by the language used, ...
- ...and not the unexpressed purpose which may at the time have existed in his mind.
- "Where there is no ambiguity in the terms used, or where the language has a settled legal name, the instrument itself is the only criterion of the intention of the party."

Intent can and in many cases supersede all else, however the legal instruments will clarify the intentions of the individual, or individuals, which created said document.

WRSC Conference

The Western Regional states were well represented at the conference. The Western Region is made up of thirteen states. From California to Washington state. From Montana to New Mexico. Let us not forget about Alaska and Hawai'i. Attendees also came from the Mid-West as well as the East Coast. Fellow surveyors from Texas were there too. As mentioned, this was the largest Western Regional Survey Conference to date.

This WRSC had everything that one would expect to see at a conference. There was an abundance of topics to choose from and an abundance of seasoned speakers. When hosting a conference, one always wants to deliver a quality event. The WRSC team did just that. I cannot wait for the 2028 Conference.

Joe Charles-Uli'i, LPLS
Director, HLSA



Achieving their Surveying Merit Badges

SCOUT'S SURVEYING DAY

On December 13th, 2025, these outstanding scouts earned their Surveying Merit Badges, with hands on field and classroom training.



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Scout's Surveying Field Day Report

By: Joe Charles-Uli'i, LPLS

On December 13th, 2025, Hawaii Land Survey Association got together with Boys Scouts to help their troops earn their Surveying Merit Badges. It was a beautiful sunny day on the south side of the island in Ewa. Which means we all got a little tan while spending our Saturday surveying.

We were incredibly pleased with the turnout. This year's participation doubled from the previous year, and we are hoping to continue this trend. We had a total of ten scouts and are hoping to continue this partnership with Boys Scouts to offer our HLSA's services to help our Scouts earn their Merit Badges.

The first portion of the day was spent covering some "Survey 101" basics and discussing some of the field exercises that they would be performing.

We started the day by explaining the significance of survey points and what they represent, as well as direction and their significance. Since the scouts were familiar with compasses and how to use them, not too much time was spent explaining the concept of azimuths and bearings. One question that I will always remember was, "Mr. Joe if minutes and seconds are being used in regard to azimuths, why don't we use hours too?" That was an excellent question and that scout had a valid point. In fact, the scientific calculators that we surveyors use have just that. The hours, minutes, and seconds button that convert values to determine direction. I do not recall the answer that I gave her. Although the question stayed with me because it revealed that these young minds are processing and analyzing some of the survey concepts that were being taught. After spending a little more time going over the basics of surveying, we were ready to survey.

Before heading out to the field, Daniel Knetch of Frontier Precision demonstrated the Trimble X9 Scanner for the scouts. Everyone, including us surveyors, found the scanner and its capabilities to be fascinating. He demonstrated how the device was able to, in this case, scan the entire patio. The device was able to scan everything in such a short amount of time and generate a digital image of all its shots. The digital display was very impressive, and that condensed demonstration was amazing. After the presentation we headed out to the field to do some surveying.

Out on the field, scouts were given the chance to apply what they learned in the "classroom." With the use of two total stations scouts were instructed to first locate some control points. Then they were instructed to locate some natural and/or artificial features. Scouts were allowed to choose whatever they wanted to measure, trees, fire hydrants, signs, or sidewalk. After completing the as-builts, scouts reshot the features again. This time with a GPS Rover. With these two sets of shots scouts were able to compare and observe differences between the two methods. So, with all the field data that scouts collected it was time for the final step.

The final task of the day was to answer all questions and complete the exercises in the Scout's Survey Workbook. Some of the topics in question form were basics of GPS and its advantages, how drones and scanners are enhancing our trade, boundary limits and deeds, and the significance of License Surveyors.

The most challenging assignment was transferring the field data to paper—specifically, graph paper. In doing so, the scouts practiced a method that is rarely used today: traditional "old-school" drafting.

Scout's Surveying Field Day Report

By: Joe Charles-Uli'i, LPLS

For those unfamiliar with it, especially the younger AutoCAD generation—drafting is the process of creating maps by hand using tools such as pencils, paper, a protractor, and a scale. With these tools, which some may consider outdated, the scouts plotted their points and features. I will admit that this exercise took longer than I expected. It took time for them to understand how to accurately establish points on paper using the tools provided. But once they correctly plotted a few points, everything began to come together. Before long, their drawings started to reflect the shots they had taken in the field. That was the moment it clicked. They were able to see how fieldwork and classroom instruction connect, and I found that especially rewarding. I believe this experience may have inspired a few future surveyors.

Now that we were done surveying, it was time for a little recognition. Every scout received a Certificate of Completion. And since everyone successfully completed and answered all the questions in the workbook, they will be receiving their merit badges too. Congratulations to all. Job well done.

I really appreciated everyone that helped to make this event a success. And with that I would like to say a big mahalo to our team of volunteers. HLSA's Board Secretary Ryan Morales and Frontier Precision's Sales Representative, Daniel Knecht. Thank you two for taking time out of your weekend schedule to help these scouts earn their badges. Much appreciated guys.

Another big mahalo to Scout Master Andrew and wife Tiana for allowing us to use your "hale" for the classroom portion and for securing the site.

We here at Hawaii Land Surveyors Association are looking forward to collaborating with Boys Scouts in the future. It was a pleasure working with another long-standing organization that serves our unique community. Mahalo Nui ia 'Oukou. Thank you all.

Joe Charles-Uli'i, LPLS
Director, HLSA



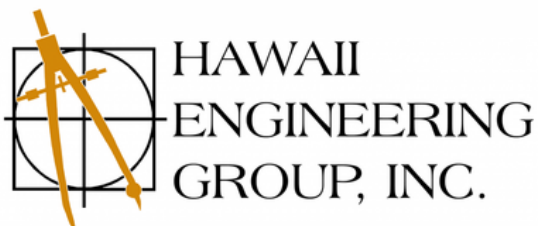
"I believe this experience may have inspired a few future surveyors."



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