

**JOSH GREEN, M.D.**  
GOVERNOR | KE KIA'ĀINA

**SYLVIA LUKE**  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



**STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA**

STATE HISTORIC PRESERVATION DIVISION  
KAKUHIHEWA BUILDING  
601 KAMOKILA BLVD, STE 555  
KAPOLEI, HAWAII 96707

**DAWN N.S. CHANG**  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

**RYAN K.P. KANAKA'OLE**  
FIRST DEPUTY

**CIARA W.K. KAHANE**  
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
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ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

**AGENDA  
MAUI LĀNA'I ISLANDS BURIAL COUNCIL**

**DATE: Wednesday, December 17, 2025**

**TIME: 09:00 A.M.**

**PLACE: Online via Teams**

**—AND—**

**Department of Land and Natural Resources  
Maui District Office Complex Conference Room  
130 Mahalani Street  
Wailuku, HI 96793**

This agenda and the listed submittals will be provided in the board packet. This meeting will be held using interactive conference technology under section 92-3.7, HRS. Board members, staff, applicants, testifiers, and the public can choose to participate in person or online via Teams.

**To Attend/Provide Testimony via Teams:**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NmQxZWNjMjgtNTJjZC00NzBmLWE3MjctY2FjOTAyMjAxYVWk%40thread.v2/0?context=%7b%22Tid%22%3a%223847dec6-63b2-43f9-a6d0-58a40aaa1a10%22%2c%22Oid%22%3a%22b8f432d3-9111-42a2-9bb2-edb2895c4f60%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmQxZWNjMjgtNTJjZC00NzBmLWE3MjctY2FjOTAyMjAxYVWk%40thread.v2/0?context=%7b%22Tid%22%3a%223847dec6-63b2-43f9-a6d0-58a40aaa1a10%22%2c%22Oid%22%3a%22b8f432d3-9111-42a2-9bb2-edb2895c4f60%22%7d)

**I. CALL TO ORDER**

**II. ROLL CALL/PULE**

**III. MEETING MINUTES**

**A. Approval of the Minutes for September 24, 2025.**

**B. Approval of the Minutes for October 22, 2025.**

**IV. COMMUNICATIONS**

**A. Presentation and Discussion Regarding the Proposed Testing Strategy for an Archaeological Inventory Survey and Request for Concurrence for the Hawaiian Islands Fiber Link Project, with**

Cable Landing Sites at Kaua'i (Nukoli'i Beach and Kaua'i Community College), O'ahu (Barbers Point Beach Park), Maui (Kahului Harbor and UH Maui College), Molokai (Molokai Yacht Club and Molokai Education Center), Lāna'i (Mānele Harbor), and Hawai'i Island (University of Hawai'i at Hilo Pacific Aquaculture & Coastal Resources Center and UH Hilo)TMKs: Kaua'i: (4) 3-4-007:003 (por.), (4) 3-7-003:007 (por.), (4) 3-7-003:017 (por.), and (4) 3-7-003:999 (Kūhiō Highway ROW); O'ahu: (1) 9-1-026:027, (1) 9-1-026:999 (Ola'i Street ROW); Maui: (2) 3-7-001:021 (por.), (2) 3-7-001:022 (por.), (2) 3-7-001:999 (Kahului Beach Road ROW) (2) 3-8-007:001 (por.), (2) 3-8-007:040 (por.); Moloka'i: (2) 5-3-001:003 (por.); (2) 5-3-001:011 (por.); (2) 5-3-003:013 (por.), (2) 5-3-003:014 (por.), (2) 5-3-003:999 (Alanui Kaimike Street ROW); Lāna'i: (2) 4-9-017:006 (por.), (2) 4-9-017:027 (por.); Hawai'i Island: (3) 2-1-009:001 (por.), (3) 2-1-009:041 (por.), (3) 2-1-011:004 (por.), (3) 2-1-011:005 (por.), (3) 2-1-011:010 (por.), (3) 2-4-001:167 (por.).

**Information/Discussion:** The Kūnoa North Fiber Optic Cable Project is designed to provide fast and reliable broadband service to rural areas of Hawai'i that have limited broadband internet service or no service at all. They are currently preparing environmental and cultural assessments and are seeking community feedback on the project.

## **V. BUSINESS**

- A. Discussion and Approval of the Department's Recommendation to Recognize Descendancy Claim Application of Kristy Francisca Kauionalani Leialoha Lacio to Identified Native Hawaiian Human Skeletal Remains of Hulimai Manuwa Located at Honolulu Bay, Ahupua'a of Honolulu, Moku of Ka'anapali, Island of Maui TMK: (2) 4-1-001:006.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

- B. Discussion and Approval of the Department's Recommendation to Recognize Descendancy Claim Application of Misty Ann Kalamaula Ku'uipo Lacio to Identified Native Hawaiian Human Skeletal Remains of Hulimai Manuwa Located at Honolulu Bay, Ahupua'a of Honolulu, Moku of Ka'anapali, Island of Maui TMK: (2) 4-1-001:006.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

- C. Discussion and Approval of the Department's Recommendation to Recognize Descendancy Claim Application of Maika Lyle Martin Lacio to Identified Native Hawaiian Human Skeletal Remains of Hulimai Manuwa Located at Honolulu Bay, Ahupua'a of Honolulu, Moku of Ka'anapali, Island of Maui TMK: (2) 4-1-001:006.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.



**D. Discussion and Approval of the Department's Recommendation to Recognize the Descendancy Claim Application of Vanessa Uwalani Regina Hussey as a Lineal Descendant to Identified Native Hawaiian Skeletal Remains of Ka'ahanui Kaleohano Located at Paeohi Street, Ahupua'a of Aki, Moku of Lāhainā, Island of Maui TMK: (2) 4-5-023:069.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

**E. Discussion and Approval of the Department's Recommendation to Recognize the Descendancy Claim Application of Nancy Anastacia Kunuiainakea Hussey as a Lineal Descendant to Identified Native Hawaiian Skeletal Remains of Ka'ahanui Kaleohano Located at Paeohi Street, Ahupua'a of Aki, Moku of Lāhainā, Island of Maui TMK: (2) 4-5-023:069.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

**F. Discussion and Approval of the Department's Recommendation to Recognize the Descendancy Claim Application of Anica Christine Makanoë Hussey as a Lineal Descendant to Identified Native Hawaiian Skeletal Remains of Ka'ahanui Kaleohano Located at Paeohi Street, Ahupua'a of Aki, Moku of Lāhainā, Island of Maui TMK: (2) 4-5-023:069.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

**G. Discussion and Approval of the Department's Recommendation to Recognize the Descendancy Claim Application of Vanessa Uwalani Regina Hussey as a Cultural Descendant to Unidentified Native Hawaiian Skeletal Remains Located at Loko o Mokuhinia, Ahupua'a of Waiokama and Lower Wainē, Moku of Lāhainā, Island of Maui TMK: (2) 4-6-007; 001; 002 and 036-038.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

**H. Discussion and Approval of the Department's Recommendation to Recognize Descendancy Claim Application of Nancy Anastacia Kunuiainakea Hussey as a Cultural Descendant to Unidentified Native Hawaiian Skeletal Remains Located at Loko o Mokuhinia, Ahupua'a of Waiokama and Lower Wainē, Moku of Lāhainā, Island of Maui TMK: (2) 4-6-007; 001; 002 and 036-038.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by

the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

**I. Discussion and Approval of the Department's Recommendation to Recognize Descendancy Claim Application of Anica Christine Makanoë Hussey as a Cultural Descendant to Unidentified Native Hawaiian Skeletal Remains Located at Loko o Mokuhinia, Ahupua'a of Waiokama and Lower Waianae, Moku of Lāhainā, Island of Maui TMK: (2) 4-6-007; 001; 002 and 036-038.**

The Council may elect to go into executive session pursuant to HRS § 6E-43.5(e). The Council may close a meeting whenever the location or description of a burial site is under consideration. The chairperson, by the concurrence of a majority of members present at the meeting, shall be authorized to require the public to leave the meeting while the confidential matter is being discussed and reopen the meeting once the confidential matter is no longer being considered.

**VI. INADVERTENT DISCOVERY OF HUMAN SKELETAL REMAINS**

- A. Discussion Regarding the Inadvertent Discovery of Unidentified Native Hawaiian Skeletal Remains on October 28, 2025, at Kaulahao (Tavares Bay) Beach, Hāmākuapoko Ahupua'a, Hāmākuapoko District, Island of Maui, TMK: (2) 2-6-009:023.**
- B. Discussion Regarding the Inadvertent Discovery of Unidentified Native Hawaiian Skeletal Remains on November 04, 2025, at Ka'elekū Cave, Ka'elekū Ahupua'a, Hāna District, Island of Maui, TMK: (2) 1-3-009:100 and 101.**

**VII. ANNOUNCEMENTS**

**A. The Next MLIBC Meeting is Scheduled for Wednesday, January 21, 2026.**

**To Provide Written Testimony:**

We encourage interested persons to submit written testimony in advance of the meeting, which will be distributed to Board members prior to the meeting and allow a timely review. Please submit written testimony via email to: [Leinoa.kong@hawaii.gov](mailto:Leinoa.kong@hawaii.gov). Written testimonies can also be mailed to 130 Mahalani Street, Wailuku, HI 96793. Written testimonies may be posted upon the MLIBC meeting website; as a precaution, please be mindful with any personal information prior to submitting unless you intend it to be shared. Late written testimony will be retained as part of the record and distributed to MLIBC members as soon as practicable, but we cannot ensure the MLIBC will receive it in sufficient time to review, prior to decision-making.

**To Provide In-Person Oral Testimony**

Attend in-person at: 130 Mahalani Street, Wailuku HI 96793.

**To Provide Testimony by Telephone:**

On the day of the meeting at the start of the agenda item you wish to testify on, [https://teams.microsoft.com/join/19%3ameeting\\_NmQxZWNjMjgNTJjZC00NzBmLWE3MjctY2FjOTAvMjAxYWVh%40thread.v2/0?context=%7b%22Tid%22%3a%223847dec6-63b2-43f9-a6d0-58a40aaa1a10%22%2c%22Oid%22%3a%22b8f432d3-9111-42a2-9bb2-edb2895c4f60%22%7d](https://teams.microsoft.com/join/19%3ameeting_NmQxZWNjMjgNTJjZC00NzBmLWE3MjctY2FjOTAvMjAxYWVh%40thread.v2/0?context=%7b%22Tid%22%3a%223847dec6-63b2-43f9-a6d0-58a40aaa1a10%22%2c%22Oid%22%3a%22b8f432d3-9111-42a2-9bb2-edb2895c4f60%22%7d)

**To Provide Video Teams/ Testimony:**

Please send your request in a timely manner to: [Leinoa.kong@hawaii.gov](mailto:Leinoa.kong@hawaii.gov) with your information, email address, and the agenda item you wish to testify on. Once your request has been received, you will receive a confirmation email with pertinent information. You may testify without signing up in advance.

Pursuant to HRS § 92-3, all interested persons shall be afforded an opportunity to present oral testimony or submit data, views, or arguments, in writing on any agenda item. Public testimony for items listed on the agenda is strongly recommended to be limited to three minutes per agenda item. We ask that you identify yourself and any affiliation before speaking, but you can choose not to do so.

**The MLIBC may go into Executive Session pursuant to HRS § 92-5(a)(4) to consult with its attorney on questions and issues pertaining to the Board's powers, duties, privileges, immunities, and liabilities.**

**Pursuant to HRS §6E-43.5, the council may go into a closed meeting to consider information that involves the location or description of a burial site.**

**Pursuant to HRS § 92-2.5(d) HRS, if a meeting must be cancelled due to lack of quorum, the present council members may elect to continue to receive testimony and presentations on items on the agenda.**

**A request to be placed on a burial council meeting agenda must be made with the Burial Sites Program staff at least two weeks preceding the scheduled meeting date. In addition, the request must be accompanied by all related documents. Failure to comply with this procedure will delay the item to the following month's agenda.**

**Materials related to items on the agenda are available for review at the State Historic Preservation Division located at 130 Mahalani St., Wailuku, HI 96793.**

**If you need an auxiliary aid/service or other accommodation due to a disability, please contact, Burial Sites Specialist, at (808) 652-1510 or [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov) as soon as possible. Requests made as early as possible have a greater likelihood of being fulfilled. Upon request, this agenda and other materials are available in alternate/accessible formats.**



**Pacific Basin Division**  
146 Hekili Street, Suite 205  
Kailua, HI 96734

Phone: 808.263.4800  
Fax: 808.263.4300  
[www.pacificlegacy.com](http://www.pacificlegacy.com)

November 3, 2025

Dr. Susan Lebo, Archaeology Branch Chief  
State Historic Preservation Division  
Department of Land and Natural Resources  
601 Kamokila Blvd., Suite 555  
Kapolei, HI 96707  
Via: HICRIS Project No. 2025PR00468

Subject: Proposed Testing Strategy for an Archaeological Inventory Survey and Request for Concurrence for the Hawaiian Islands Fiber Link Project, with Cable Landing Sites at Kaua'i (Nukoli'i Beach and Kaua'i Community College), O'ahu (Barbers Point Beach Park), Maui (Kahului Harbor and UH Maui College), Molokai (Molokai Yacht Club and Molokai Education Center), Lāna'i (Mānele Harbor), and Hawai'i Island (University of Hawai'i at Hilo Pacific Aquaculture & Coastal Resources Center and UH Hilo)  
TMKs: Kaua'i: (4) 3-4-007:003 (por.), (4) 3-7-003:007 (por.), (4) 3-7-003:017 (por.), and (4) 3-7-003:999 (Kūhiō Highway ROW); O'ahu: (1) 9-1-026:027, (1) 9-1-026:999 (Ola'i Street ROW); Maui: (2) 3-7-001:021 (por.), (2) 3-7-001:022 (por.), (2) 3-7-001:999 (Kahului Beach Road ROW) (2) 3-8-007:001 (por.), (2) 3-8-007:040 (por.); Molokai: (2) 5-3-001:003 (por.); (2) 5-3-001:011 (por.); (2) 5-3-003:013 (por.), (2) 5-3-003:014 (por.), (2) 5-3-003:999 (Alanui Kaimike Street ROW); Lāna'i: (2) 4-9-017:006 (por.), (2) 4-9-017:027 (por.); Hawai'i Island: (3) 2-1-009:001 (por.), (3) 2-1-009:041 (por.), (3) 2-1-011:004 (por.), (3) 2-1-011:005 (por.), (3) 2-1-011:010 (por.), (3) 2-4-001:167 (por.).

Dear Dr. Lebo:

Pacific Legacy, Inc. has been retained to conduct an Archaeological Inventory Survey (AIS) for the Hawaiian Islands Fiber Link (HIFL) Project, a proposed interisland subsea fiber optic cable system intended to improve and expand high-speed internet (broadband) access and availability across the State of Hawaii. The Project involves construction, operation, and maintenance of a subsea cable that would interconnect the six main Hawaiian Islands, with cable landing sites at Kaua'i (Nukoli'i Beach and Kaua'i Community College), O'ahu (Barbers Point Beach Park), Maui (Kahului Harbor and UH Maui College), Molokai (Molokai Yacht Club and Molokai Education Center), Lāna'i (Mānele Harbor), and Hawai'i Island (University of Hawai'i at Hilo Pacific Aquaculture & Coastal Resources Center and UH Hilo). The subsea cable, which would have a maximum diameter of approximately 1.1 inches, would be surface-laid on the seabed within state and U.S. federal waters between these sites. At all six cable landing sites, horizontal directional drilling (HDD) would be used to install underground conduit to facilitate installation of the cable beneath the shoreline to an offshore punchout location in nearshore waters. Terrestrial components of the system on each island would include a beach manhole (BMH; concrete vault) where the subsea cable would terminate, subsurface conduit for terrestrial fiber optic cable connecting from the BMH to existing utility infrastructure (underground or aerial), and a cable landing station (CLS) with associated cable termination and monitoring equipment. The CLS on Maui, Molokai, and Hawai'i would involve installation of a new modular structure; the CLS for the other three cable landing sites would utilize space in an existing building. In some instances, the CLS would also entail the installation of an emergency generator and short segments of subsurface conduit for utility connections. The AIS testing strategy, which includes strategies that are specific to each of the six cable landing sites, is provided below.



### **Kaua'i Cable Landing Site (Nukoli'i Beach and Kaua'i Community College)**

The proposed cable landfall on the island of Kaua'i is located at Nukoli'i Beach, just north of Hanamā'ulu, and the proposed CLS is located at Kaua'i Community College (KCC) (Figure 2, attached). Project ground disturbance at the cable landfall will include the excavation and installation of a BMH, measuring 23 ft by 17 ft by 12 ft depth (7 m x 5.2 m x 3.7 m), and the excavation of approximately 2,430 linear feet (ft) (741 meters [m]), at a depth of 5 ft (1.5 m), for the installation of fiber optic conduit, extending from the BMH along sections of Kauai Beach Road and Kauai Beach Drive and connecting with existing utility infrastructure located within the Kūhiō Highway ROW. Project ground disturbance at KCC for the CLS will include the installation of a generator foundation pad, measuring 9 ft by 4 ft by 2 ft deep (2.7 m x 1.2 m x 0.6 m), and excavation of approximately 20 linear ft (6.1 m), at a depth of 3 ft (0.9 m), for the installation of conduit for an electrical line connecting to existing infrastructure at KCC.

Previous archaeological studies have identified one historic property within the boundaries of the Nukoli'i Beach portion of the project area, consisting of State Inventory of Historic Places (SIHP) 50-30-08-02235, an early 1960s water control ditch which crosses beneath Kauai Beach Drive (Figure 3, attached). No historic properties have been previously identified within the KCC portion of the project area (Figure 4, attached). The closest identified historic property consists of features associated with the Lihue Plantation, SIHP 50-30-11-02179. A literature review and field inspection (LRFI) of the project area was conducted by Pacific Legacy for the current project. The field inspection documented a portion of SIHP -02235 and two additional potential historic property features, both located within the Nukoli'i Beach portion of the project area (Figure 5, attached). The newly identified features consist of a possible concrete jetty remnant (T-001) and a small drainage ditch with metal drainage gate (T-002).

The proposed AIS testing strategy for the Kaua'i portion of the project area consists of nine (9) test trenches (NB-01 through NB-08, NB-10) and one (1) test unit (NB-09). The test trenches measure 5 m long by 0.7 m wide (Figure 6 and Figure 7, attached). Eight test trenches target the Nukoli'i Beach portion of the project area and include one test trench in the location of the BMH (NB-01), as well as seven test trenches generally distributed along the length of the fiber optic conduit trench (NB-02 through NB-08). One test unit (NB-09) measuring 1 m long by 0.5 m wide will be excavated within the landscaped margin of Kūhiō Highway ROW in the location of the tie-in to existing utility infrastructure. Areas containing more culturally sensitive soils (i.e., Mokuleia fine sandy loam) have a higher concentration of test trenches (NB-01, NB-02, NB-07, and NB-08) (Figure 8, attached). Based on the limited proposed ground disturbance within the KCC portion of the project area, as well as the results of previous archaeological studies, one test trench (NB-10) is proposed within this area, targeting the exterior location of the generator foundation pad (Figure 9, attached).

### **O'ahu Cable Landing Site (Barbers Point Beach Park)**

The proposed cable landfall on the island of O'ahu is located at Barbers Point Beach Park in Kalaeloa and the proposed CLS is located in central Honolulu at DR Fortress (Figure 10, attached). Project ground disturbance is limited to the cable landfall at Barbers Point Beach Park. Ground disturbance will include the excavation and installation of two BMHs, each measuring 23 ft by 17 ft by 12 ft depth (7 m x 5.2 m x 3.7 m), and the excavation of approximately 685 linear ft (209 m), at a depth of 4 ft (1.2 m), for the installation of a fiber optic conduit, extending from the BMHs to existing utility infrastructure located at the end of Ola'i Street by the park entrance.

Previous archaeological studies have not identified historic properties within the O'ahu portion of the project area, and the field inspection completed by Pacific Legacy did not identify any potential historic properties. Previous studies have identified sites in the vicinity that reflect both pre- and post-Contact activities in the Barbers Point area. The surrounding area is relatively flat, dotted with numerous limestone *kālua* (pit caves). Previous archaeological investigations have revealed an



extensive complex of pit caves that included pre-Contact Native Hawaiian archaeological deposits and burials. Post-Contact sites relating to the commercial sugarcane industry, irrigation ditches, military complexes, and the Barbers Point Lighthouse have also been identified (Figure 11, attached).

The proposed AIS testing strategy for the O'ahu portion of the project area consists of eight (8) test trenches (BP-01 through BP-08), each measuring 5 m long by 0.7 m wide (Figure 12, attached). Two test trenches (BP-06 and BP-07) target the locations of the two BMHs, one test trench (BP-08) targets the handhole location which interfaces the fiber optic conduits emerging from the BMHs, and the remaining test trenches (BP-01 through BP-05) are distributed along the length of the fiber optic conduit trench. Test trenches BP-06 through BP-08 are proposed as optional test trenches as these specific locations are also part of the proposed AIS testing strategy for the upcoming O'ahu Subsea Cable Telecommunications Project. The HIFL and O'ahu Subsea Cable Telecommunication Projects are being coordinated to maximize use of shared infrastructure to the extent possible. As such, the location of the HDD boreholes and BMHs shown for the HIFL Project is consistent with the corresponding infrastructure included in the O'ahu Subsea Cable Telecommunication Project. Should the HIFL Project AIS testing proceed prior to that of the O'ahu Subsea Cable Telecommunications Project AIS testing, test trenches BP-06 through BP-08 will be excavated as part of the HIFL Project. Should the O'ahu Subsea Cable Telecommunications Project AIS testing proceed prior to the HIFL Project AIS testing, the results of the relevant test trenches will be included within the HIFL Project AIS report. As the O'ahu portion of the project area is located within an area containing a culturally sensitive substrate (coral outcrop), the relative density of AIS test trenches is higher within this portion of the HIFL project area than in areas with less sensitive soils and substrates (Figure 13, attached).

#### **Maui Cable Landing Site (Kahului Harbor and UH Maui College)**

The proposed cable landfall on the island of Maui is located at Kahului Harbor, and the proposed CLS is located at UH Maui College (UHMC) (Figure 14, attached). Project ground disturbance at the cable landfall will include the excavation and installation of a BMH, measuring 23 ft by 17 ft by 12 ft deep (7 m x 5.2 m x 3.7 m), and the excavation of approximately 760 linear ft (231.6 m), at a depth of 4 ft (1.2 m), for the installation of a fiber optic conduit, extending from the BMH to existing utility infrastructure located within the Kahului Beach Road ROW. Within the Kahului Beach Road ROW, during construction activities, a pit measuring 10" in diameter by 8 feet deep will be needed to confirm the depth of the existing Force Main utility. Project ground disturbance at UHMC will include the excavation and installation of a foundation for a CLS (new modular structure), measuring 43 ft by 34 ft by 7 ft deep (13.1 m x 10.4 m x 2.1 m) and an adjacent generator foundation pad, measuring 9 ft by 4 ft by 2 ft deep (2.7 m x 1.2 m x 0.6 m), along with the excavation of approximately 265 linear ft (80.8 m), at a depth of 4 ft (1.2 m), for the installation of conduits for utility connections between the CLS and UHMC existing infrastructure.

Previous archaeological studies have identified historic properties that reflect both pre- and post-Contact activities in Kahului. The Maui portions of the HIFL project area are situated in fill land and Puuone sands, and a number of burials in the vicinity reflect the traditional use of coastal sand dunes as a burial area. Other pre-Contact historic properties in the area include subsurface cultural deposits and habitation complexes. Post-Contact historic properties include features associated with commercial sugarcane agriculture and related infrastructure, the development of Kahului Town, and the impacts of WWII (Figure 15). Pacific Legacy completed a field inspection of these portions of the HIFL project area and did not identify any potential historic properties.

The proposed AIS testing strategy for the Maui portion of the project area consists of seven (7) test trenches (KH-01 through KH-07), each measuring 5 m long by 0.7 m wide. Three test trenches target the Kahului Harbor portion of the project area and include one test trench in the location of



the BMH (KH-01), one test trench (KH-02) in the location of the buried shoreline, and one test trench (KS-03) in the portion of this area within Puuone sand (Figure 16 and Figure 17, attached). Four test trenches (KH-04 through KH-07) target the portion of the project area at UHMC and are generally distributed across the area of ground disturbance, including one within the footprint of the CLS (Figure 18, attached). As UHMC is located within an area containing culturally sensitive soil (Puuone sand), the relative density of AIS test trenches is higher within this portion of the HIFL project area than in areas with less sensitive soils and substrates (Figure 19, attached).

#### **Molokai Cable Landing Site (Molokai Yacht Club and Molokai Education Center)**

The proposed cable landfall on the island of Molokai is located at the Molokai Yacht Club, just west of Kaunakakai Harbor, and the proposed CLS is located at the UH Maui, Molokai Education Center at the intersection of Kamehameha V Highway and Alanui Kaimike Street (Figure 20, attached). Project ground disturbance at the cable landfall will include the excavation and installation of a BMH, measuring 23 ft by 17 ft by 12 ft depth (7 m x 5.2 m x 3.7 m), and the excavation of approximately 730 linear ft (222.5 m), at a depth of 4 ft (1.2 m), for the installation of a fiber optic conduit, extending from the BMH, along an unpaved road and connecting with existing utility infrastructure located near Kamehameha V Highway. Project ground disturbance at the Molokai Education Center will include the excavation and installation of a foundation for a CLS (new modular structure), measuring 20 ft by 18 ft by 7 ft deep (3.7 m x 2.4 m x 2.1 m) and an adjacent generator foundation pad, measuring 9 ft by 4 ft by 2 ft deep (2.7 m x 1.2 m x 0.6 m), along with the excavation of approximately 210 linear ft (64 m), at a depth of 4 ft (1.2 m), for the installation of conduits for utility connections between the CLS and Molokai Education Center existing infrastructure.

Previous archaeological studies have identified historic properties in the vicinity of the Molokai portions of the HIFL project area that reflect the continuous use of the south coastal flats of Kaunakakai during pre-Contact times for habitation, ceremonial practices, salt production, and agriculture, as well as post-Contact use for agricultural, industrial, and infrastructural activities, including the development of the wharf and railroad related to the American Sugar Company. Previous studies have identified two historic properties within the Molokai Yacht Club portion of the HIFL project area. These include SIHP 50-60-03-00630, a pre-Contact cultural deposit and 50-60-03-02573, a post-Contact cultural deposit consisting of a burn area with associated remnant building material, including glass, ceramic, and metal (Figure 21). During Pacific Legacy's field inspection, an additional potential historic property (T-003) consisting of a pile of debris was also identified. No potential historic properties were identified in the portion of the project area at the Molokai Education Center (Figure 22).

The proposed AIS testing strategy for the Molokai portion of the project area consists of thirteen (13) test trenches (MY-01 through MY-13), each measuring 5 m long by 0.7 m wide (Figure 23 and Figure 24, attached). Ten test trenches target the Molokai Yacht Club portion of the project area and include one test trench in the location of the BMH (MY-01) and nine test trenches generally distributed along the length of the fiber optic conduit trench (MY-02 through MY-10). Trench placement accounts for the location of previous AIS test trenches completed by Lee-Greig et al. (2016) in this area. Three test trenches target the Molokai Education Center portion of the project area and are generally distributed across the area of ground disturbance. One trench (MY-11) targets the proposed location of a handhole box and one trench (MY-13) targets the location of the proposed CLS.

#### **Lānaʻi Cable Landing Site (Mānele Harbor)**

The proposed cable landfall on the island of Lānaʻi is located at Mānele Harbor, and the proposed CLS is located at UH Maui, Lānaʻi Education Center in Lānaʻi City (Figure 25, attached). Project ground disturbance is limited to the cable landfall at Mānele Harbor. Ground disturbance will



include the excavation and installation of a BMH within a parking lot area, measuring 23 ft by 17 ft by 12 ft deep (7 m x 5.2 m x 3.7 m), and approximately 390 linear ft (118.9 m), at a depth of 4 ft (1.2 m), for the installation of a fiber optic conduit, extending from the BMH as well as connecting to existing utility infrastructure located on Mānele Road within the harbor area. The majority of the fiber optic conduit between the BMH and utility connection point would be installed via HDD, at a maximum depth of approximately 6-8 ft (1.8-2.4m) below ground surface.

Previous archaeological studies near the Lāna'i portion of the project area have identified historic properties in the vicinity of the project area that reflect Mānele's intensive pre-Contact use as a village site and burial area. This includes complexes with pre-Contact habitation, agricultural, ceremonial, and burial sites. Post-Contact historic properties are mostly related to ranching activities and associated infrastructure, such as a boundary wall, well, roadway and trail complex, and a cattle chute and holding pen. Much of the surrounding area, including several burial sites, were significantly disturbed by bulldozing and other construction activities associated with the Mānele Small Boat Harbor Project in 1964-65. No historic properties were previously identified within the project area (Figure 26). Pacific Legacy completed a field inspection and identified two potential historic property features within the Mānele Harbor portion of the HIFL project area. These include T-004, a concrete ditch, and T-005, a stone wall, both of which are likely related to post-Contact ranching activities in the area (Figure 27).

The proposed AIS testing strategy for the Mānele Harbor portion of the project area consists of three (3) test trenches (MH-01 through MH-03)(Figure 28, attached). The test trenches include one test trench (MH-01) in the location of the BMH and two test trenches (MH-02 and MH-03) which target the two short segments of fiber optic conduit trenching at either end of the HDD underground conduit. Test trenches MH-01 and MH-02 will measure 5 m long by 0.7 m wide. Test trench MH-03 will measure 3 m long by 0.7 m wide.

#### **Hawai'i Cable Landing Site (University of Hawai'i at Hilo Pacific Aquaculture & Coastal Resource Center and UH Hilo)**

The proposed cable landfall on Hawai'i Island is located at the University of Hawai'i at Hilo Pacific Aquaculture & Coastal Resource Center (PACRC), located just east of the Hilo Harbor breakwater, and the proposed CLS is located at UH Hilo (UHH) (Figure 29, attached). Project ground disturbance at the cable landfall will include the excavation and installation of a beach manhole, measuring 23 ft by 17 ft by 12 ft deep (7 m x 5.2 m x 3.7 m), and the excavation of approximately 100 linear ft (30.5 m), at a depth of 4 ft (1.2 m), for the installation of a fiber optic conduit, extending from the BMH to existing utility infrastructure located on the grounds of the PACRC. Project ground disturbance at UHH will include the excavation and installation of a foundation for a CLS (new modular structure), measuring 43 ft by 22 ft by 5 ft deep (13.1 m x 6.7 m x 1.5 m) and an adjacent generator foundation pad, measuring 9 ft by 4 ft by 1 ft deep (2.7 m x 1.2 m x 0.3 m), along with the excavation of approximately 415 linear ft (126.5 m), at a depth of 3 ft (0.9 m), for the installation of conduits for utility connections between the CLS and existing infrastructure at UHH.

Previous archaeological studies in the PACRC portion of the project area have documented architectural features associated with post-Contact development of Hilo and Keaukaha. They include the Hilo Breakwater, Hilo Harbor, Hilo Railroad Company tracks, Peter Arioli House, Kahaulupua House, St. Mary's Gate of Heaven Church, Kuhio Memorial Chapel, and Kamehameha Hall. In the vicinity of the UHH campus, previously identified features are associated with post-Contact agricultural activities, and include platforms, mounds, modified outcrops, linear walls, pit features, enclosures, and drainage features. The majority of these features are associated with sugarcane cultivation by the Waiakea Mill Company, as well as the Hilo Dairy Facilities (Figure 30, Figure 31). Pacific Legacy completed a field inspection of these areas and identified six potential historic property features, including two historic buildings. Rectangular and circular concrete tanks

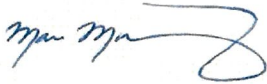


(T-006 and T-007) and metal and concrete pipe infrastructure (T-008) associated with wastewater treatment facilities were identified in the portion of the project area at PACRC, and a concrete culvert (T-009) and two historic buildings were identified at UHH (T-010, the Wentworth Building and T-011, the Business Education and Technology Building) (Figure 32, Figure 33).

The proposed AIS testing strategy for the Hawai'i Island portion of the project area consists of five (5) test trenches (PH-01 through PH-05), each measuring 5 m long by 0.7 m wide. Two test trenches target the PACRC portion of the project area and include one test trench in the location of the BMH (PH-01) and one test trench (PH-02) along the proposed conduit near the existing infrastructure connection (Figure 34, attached). Three test trenches (PH-03 through PH-05) target the UHH portion of the project area and are generally distributed across the area of proposed ground disturbance, including one within the footprint of the CLS and two along the conduit for the utility connections (Figure 35, attached).

We are requesting SHPD's concurrence that the proposed testing strategy for the HIFL Project is appropriate. We look forward to hearing from you soon regarding this request. Please do not hesitate to contact me if you have any questions or require additional information.

Sincerely,



Mara A. Mulrooney, Ph.D.  
Principal, Senior Archaeologist

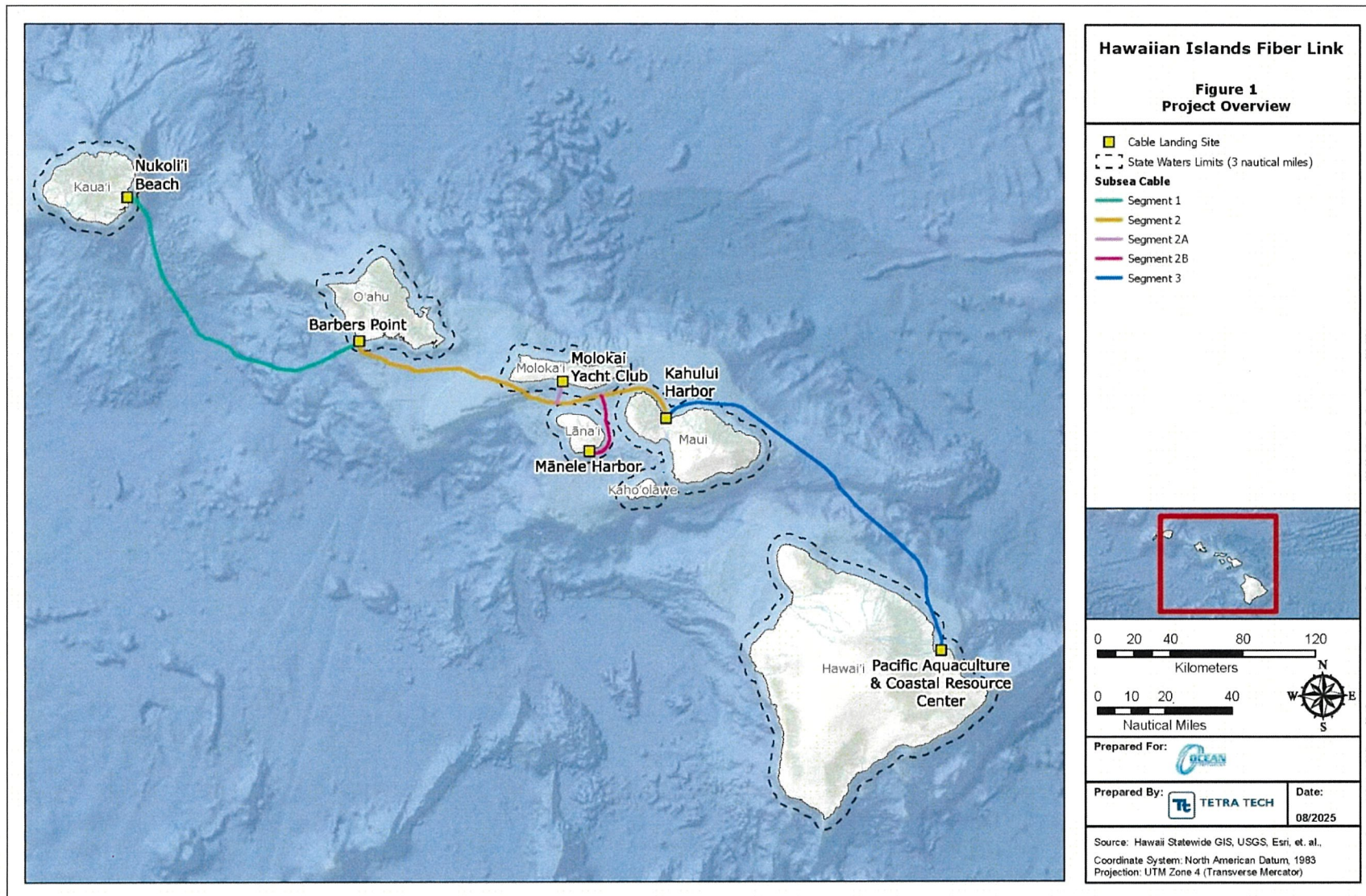
cc: Tetra Tech  
Ocean Networks, Inc.  
University of Hawai'i

Attachments: Figures

References:

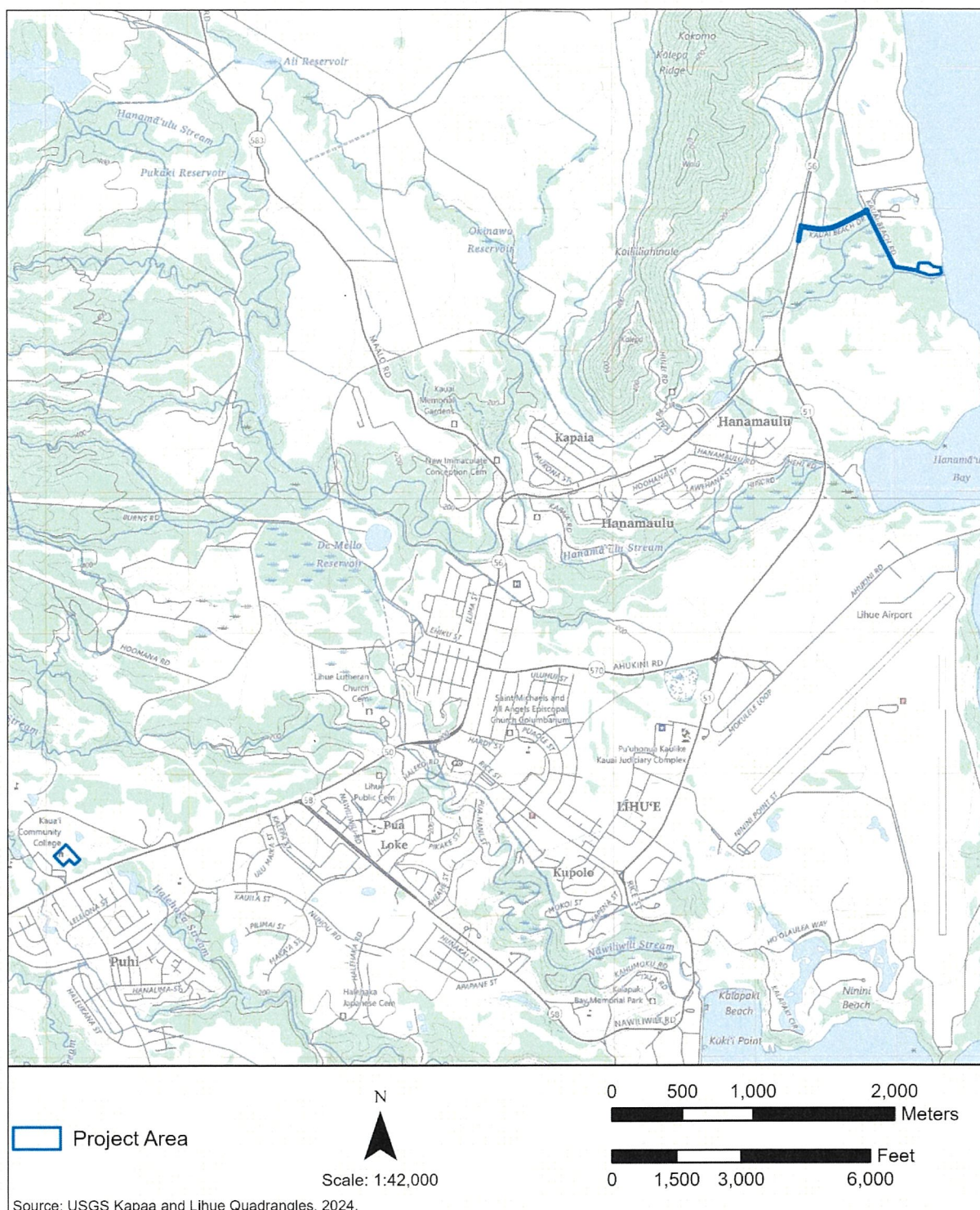
Lee-Greig, T.L., K.M. Folio, and H.H. Hammatt

2016 *Archaeological Inventory Survey Report for the Kaunakakai Drainage System "B" Improvements Project, Kaunakakai Ahupua'a, Moloka'i District, Moloka'i Island, TMKs: [2] 5-3-001:003 & 008 and 5-3-005:006 & 007*. Cultural Surveys Hawai'i, Inc., Kailua.

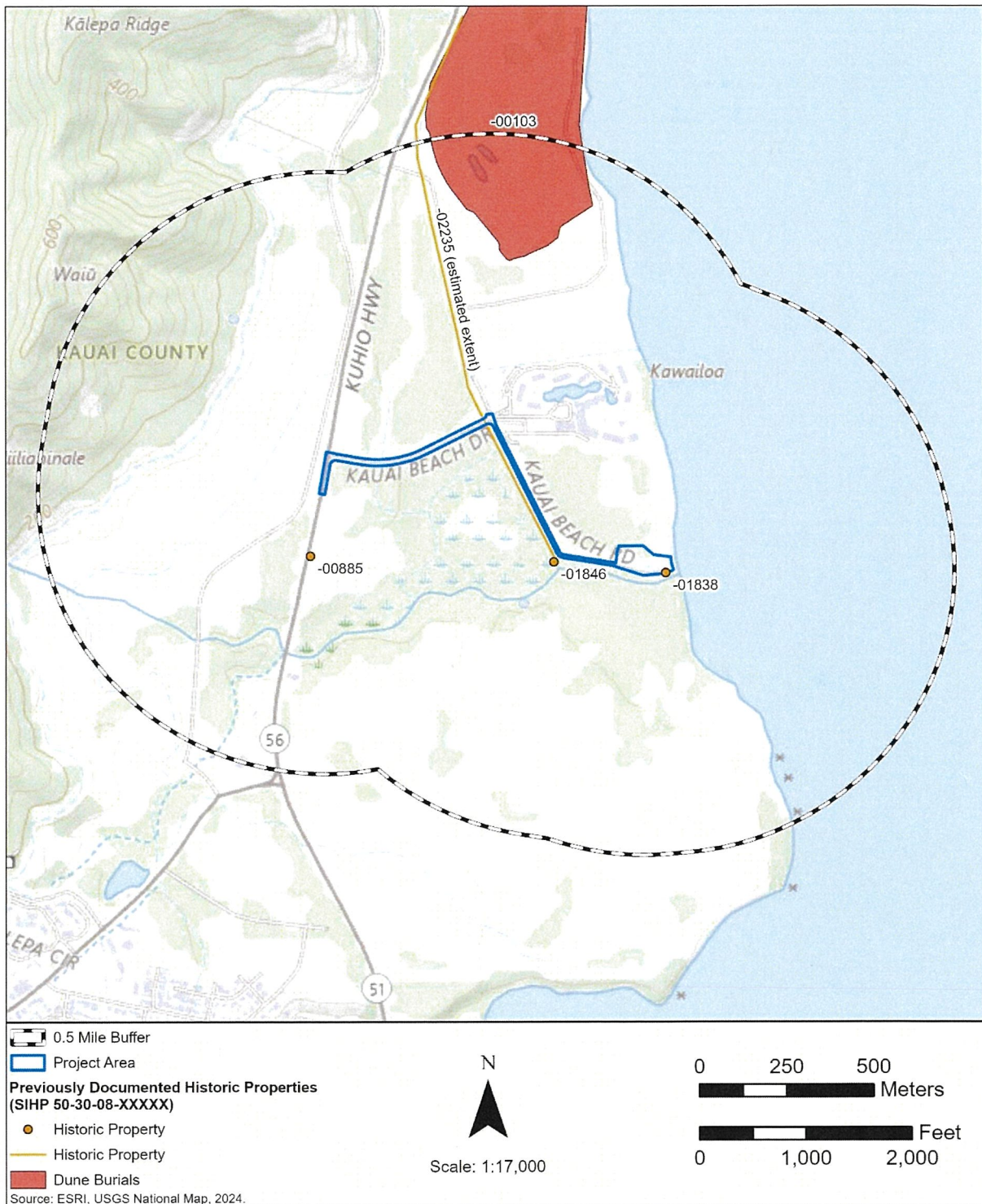


**Figure 1. Overview of the Hawaiian Islands Fiber Link Project, including the locations of five proposed subsea cable segments within State and U.S. Federal waters and the associated cable landing sites on the islands of Kauaʻi, Oʻahu, Maui, Molokai, Lānaʻi, and Hawaiʻi.**



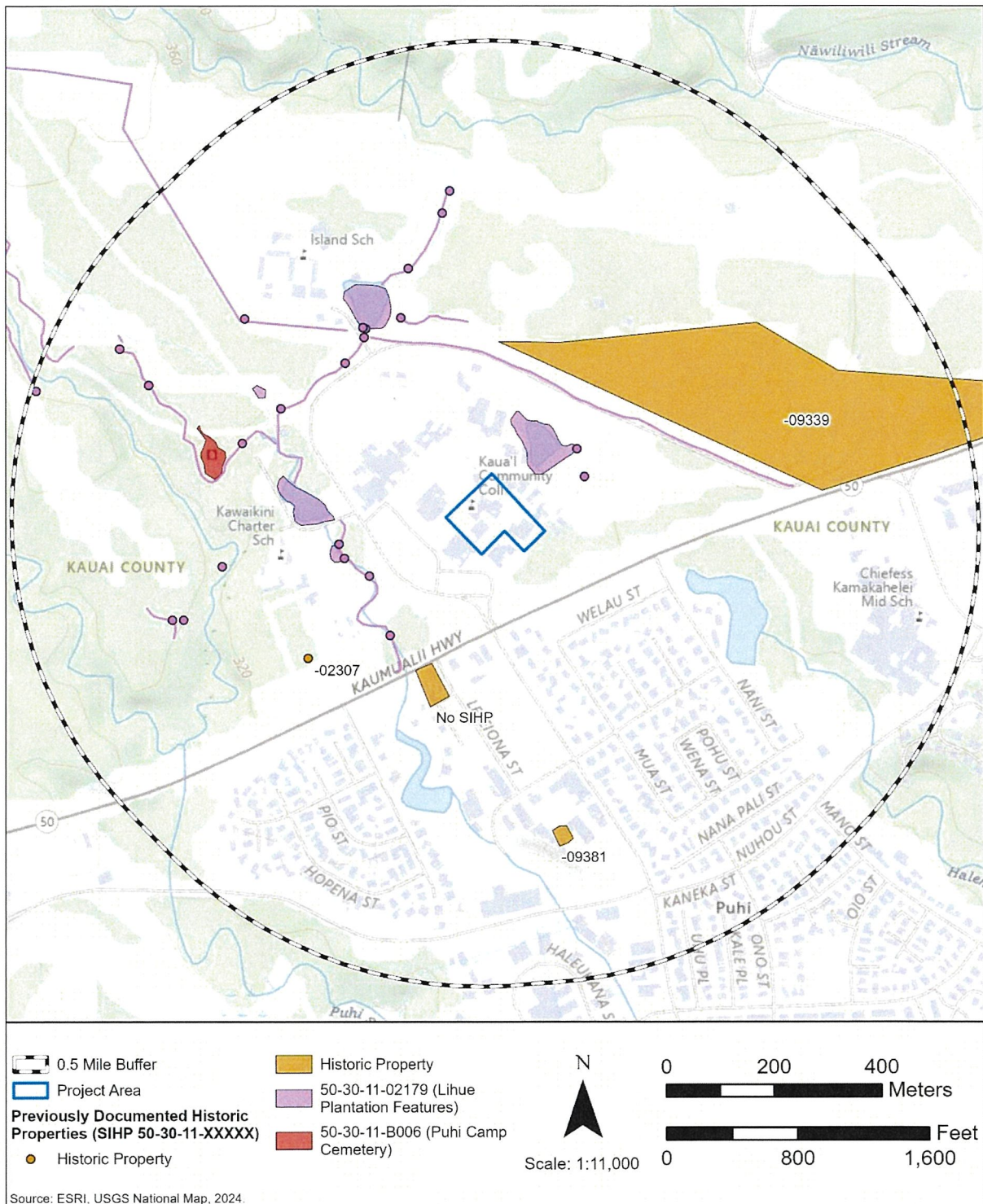






**Figure 3. Previously identified historic properties within 0.5 miles of the Nukoli'i Beach portion of the HIFL project area for the Kaua'i cable landing site. One previously identified historic property, SIHP 50-30-08-02235, extends through the project area.**





**Figure 4. Previously identified historic properties within 0.5 miles of the Kaua'i Community College portion of the HIFL project area for the Kaua'i cable landing site. No historic properties have been previously identified within this portion of the project area.**





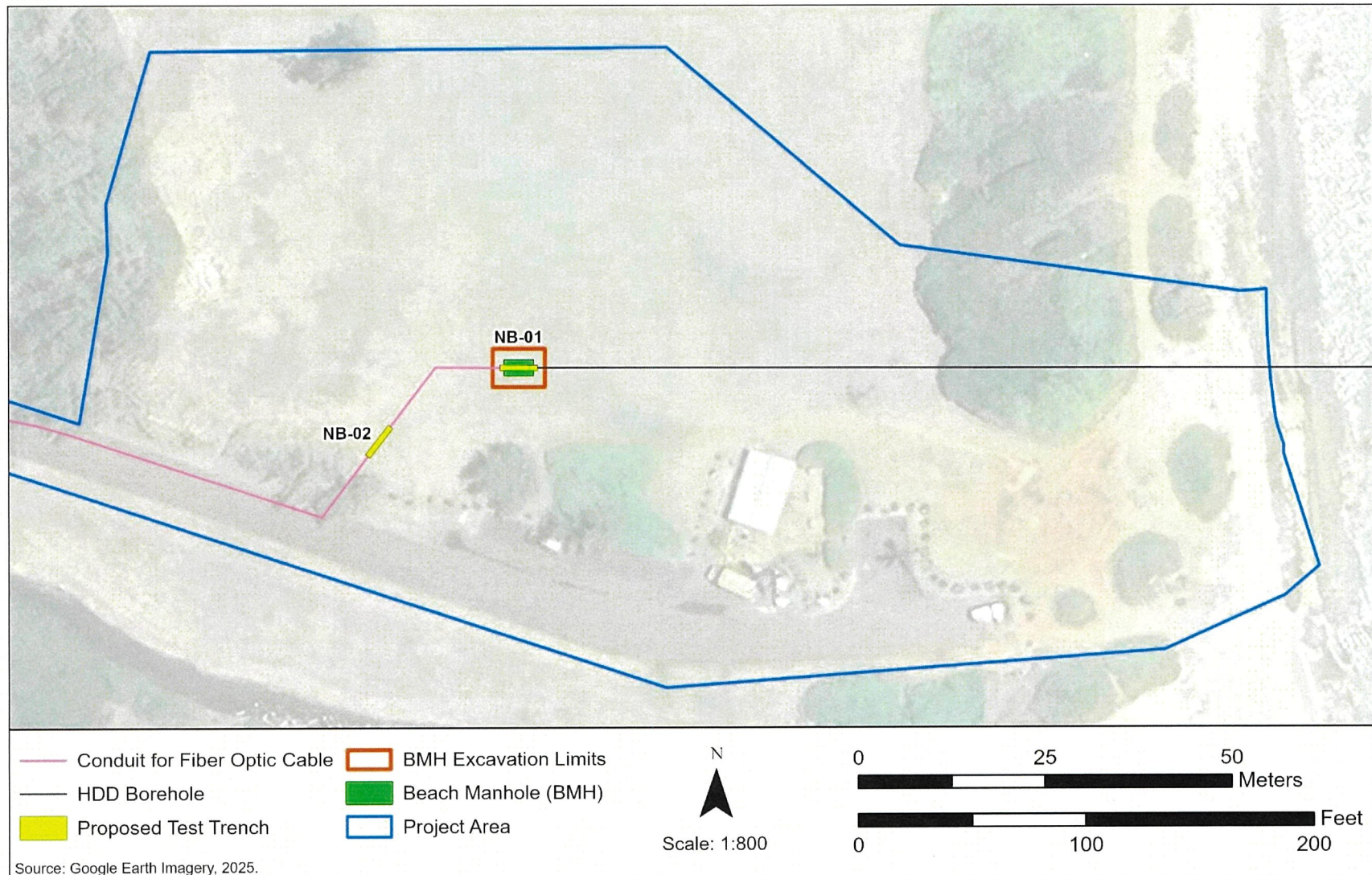
**Figure 5. Location of potential historic properties documented during the field inspection within the Nukoli'i Beach portion of the HIFL project area for the Kaua'i cable landing site.**





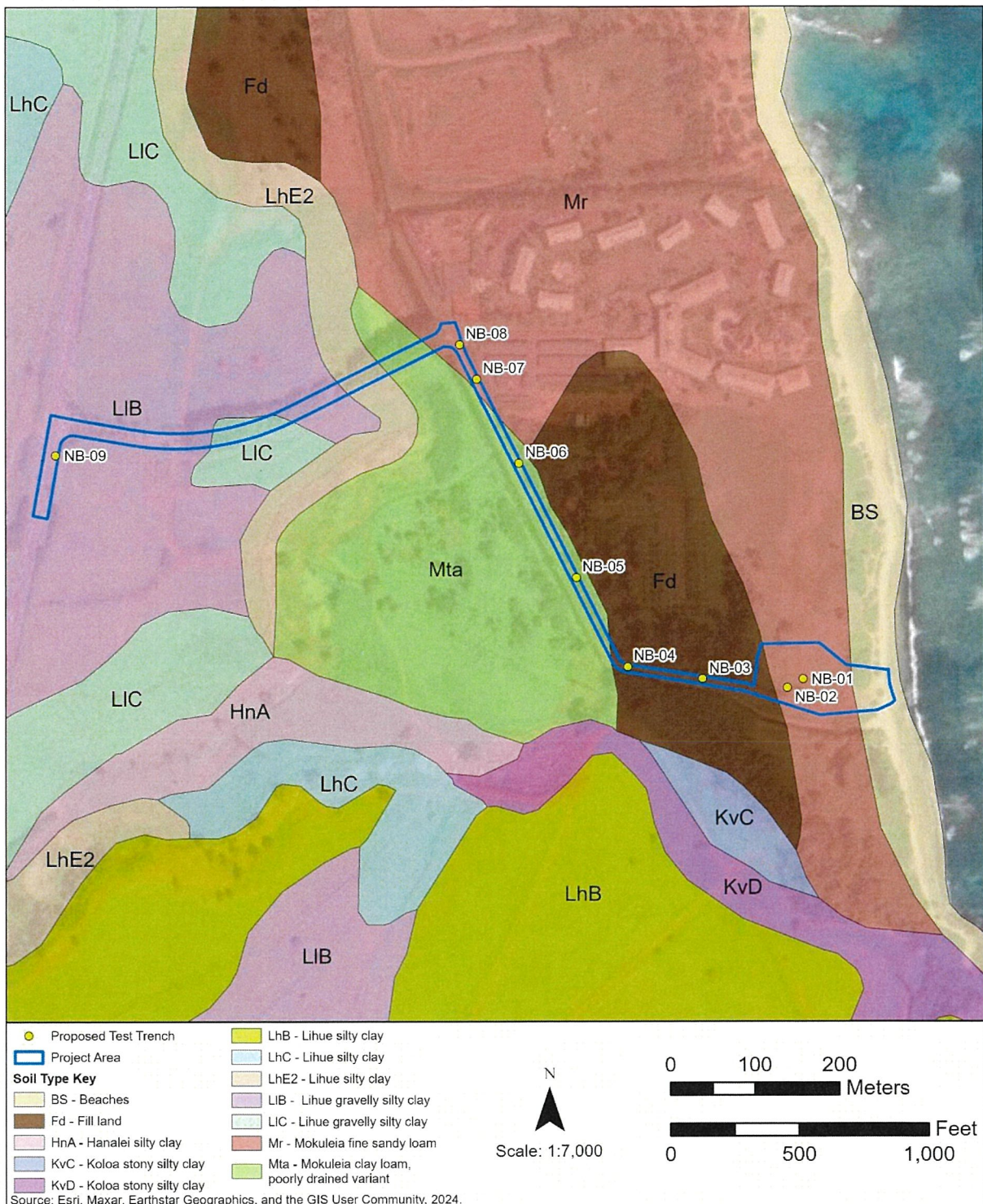
**Figure 6. Proposed AIS testing strategy for the Nukoli'i Beach portion of the HIFL project area for the Kaua'i cable landing site.**





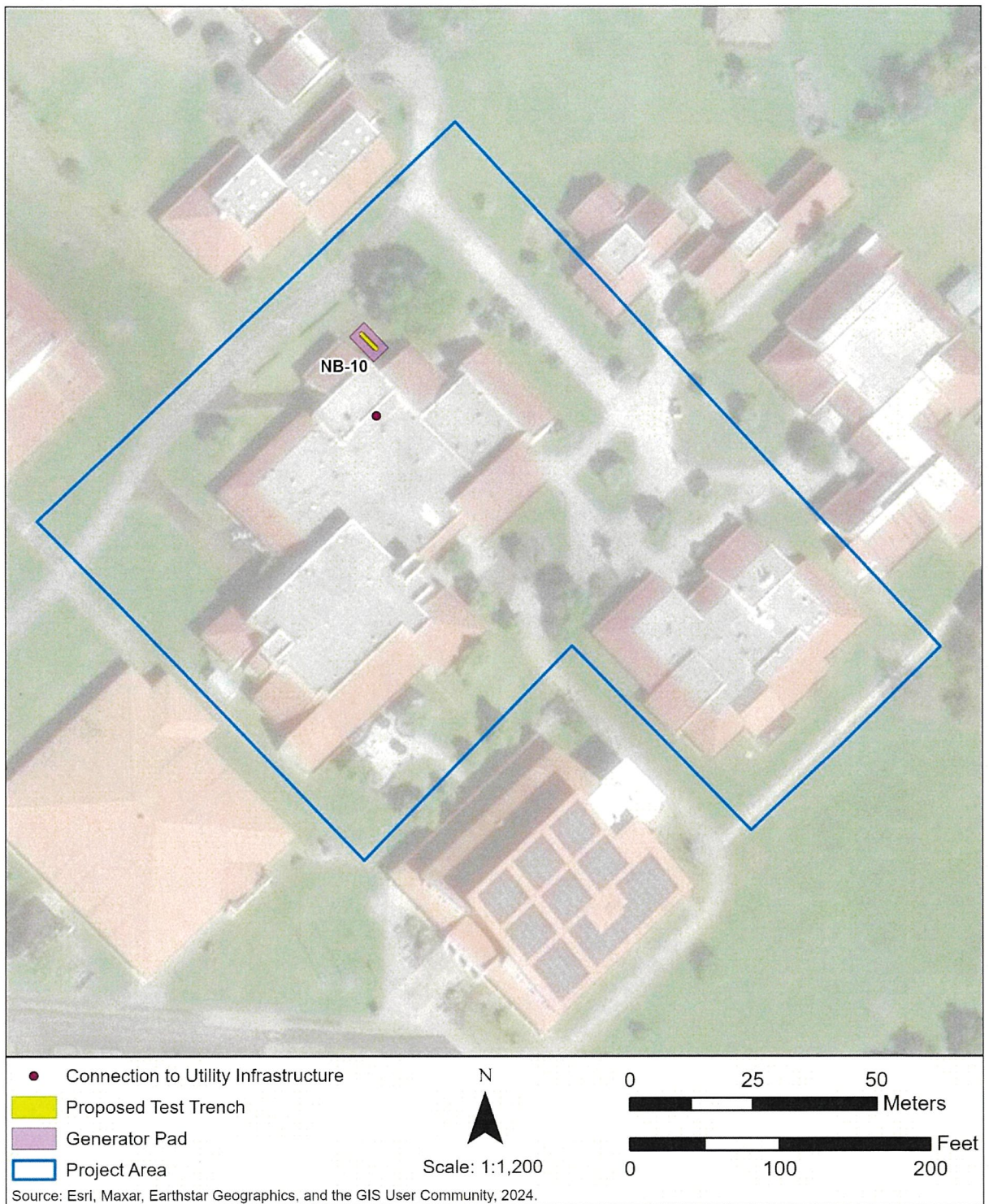
**Figure 7. Close-up of the proposed AIS testing strategy for the BMH location within the Nukoli'i Beach portion of the HIFL project area for the Kaua'i cable landing site.**





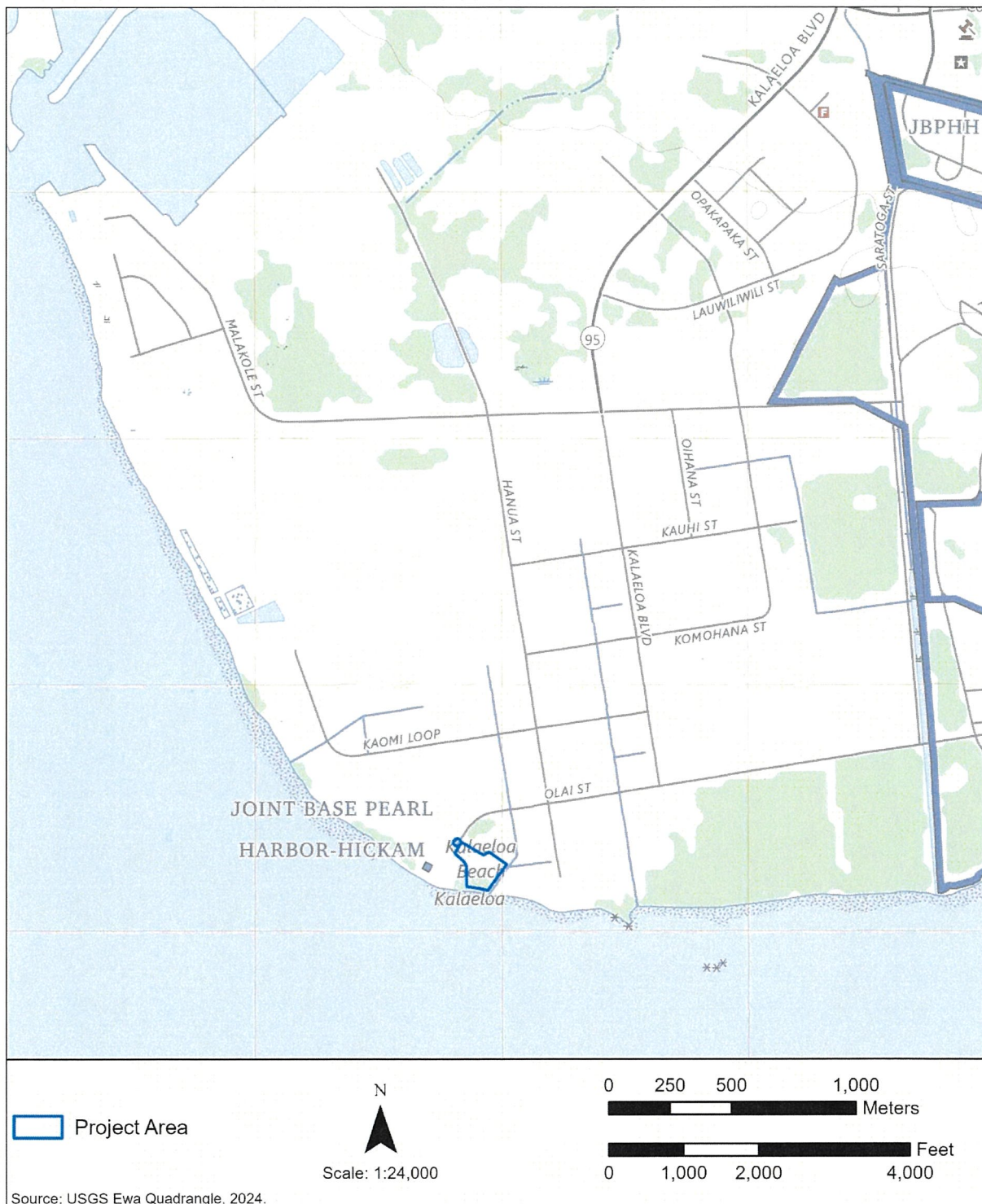
**Figure 8. Proposed AIS testing strategy for the Nukoli'i Beach portion of the HIFL project area for the Kaua'i cable landing site overlaid on USDA soils data.**



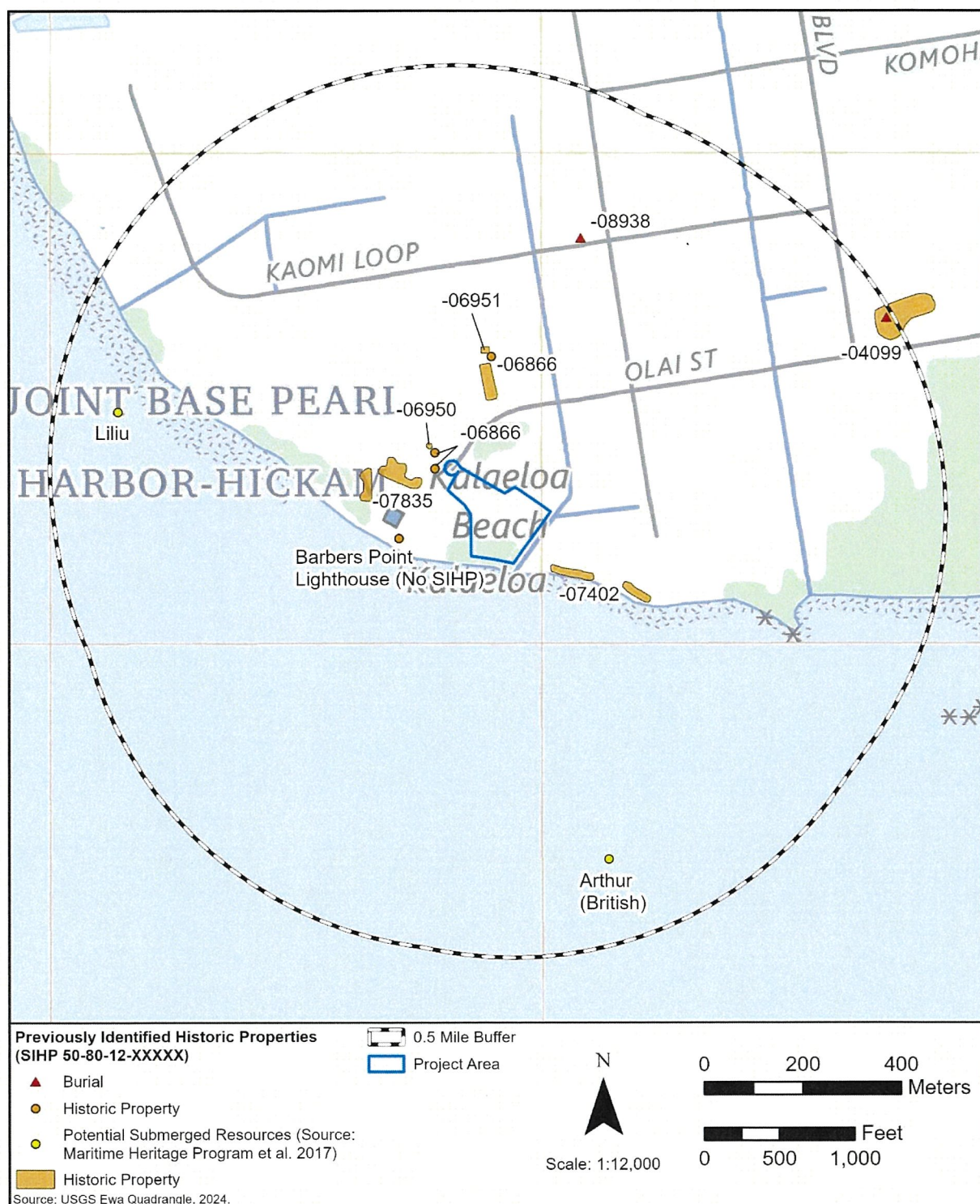


**Figure 9. Proposed AIS testing strategy for the Kaua'i Community College portion of the HIFL project area for the Kaua'i cable landing site.**



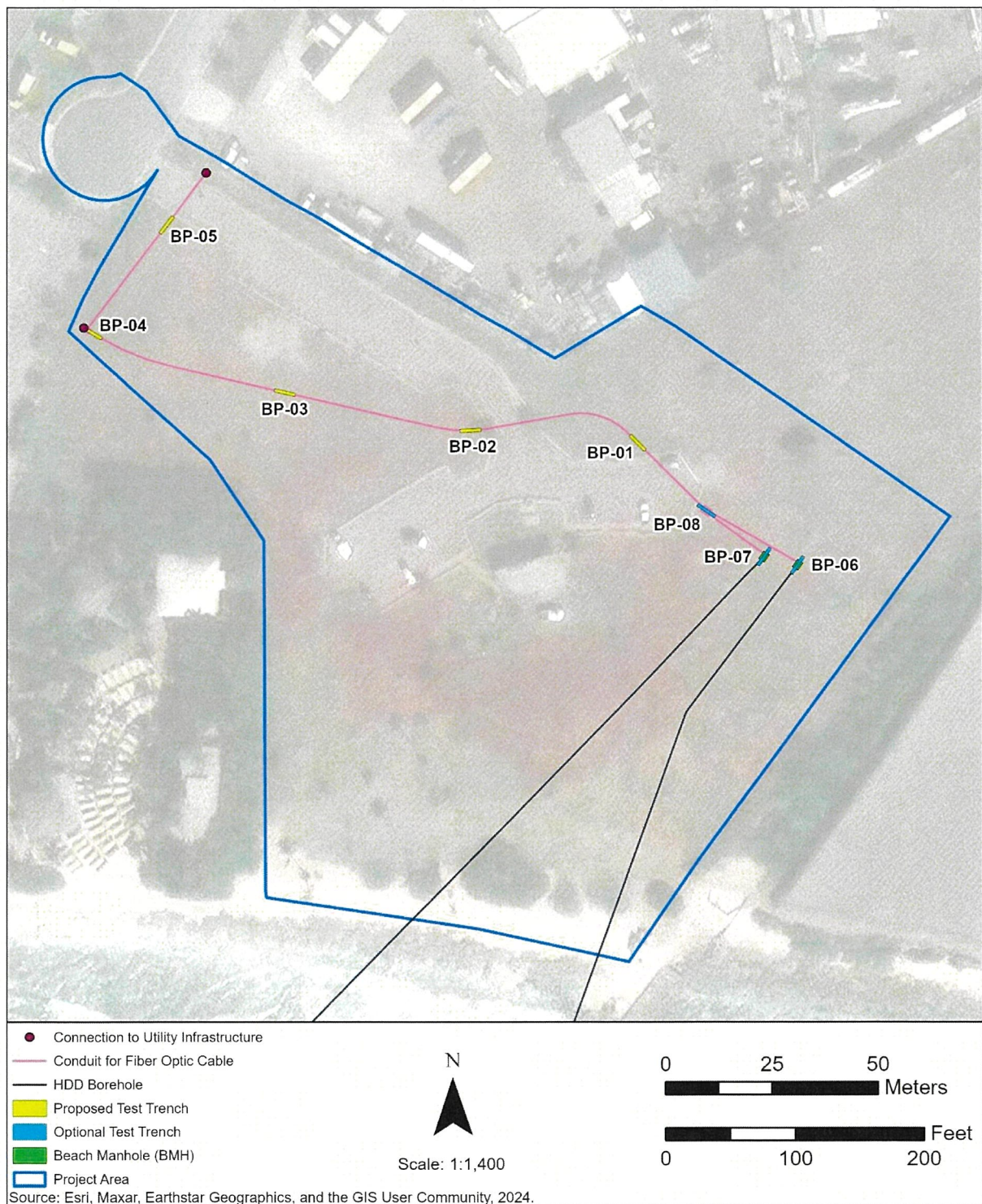


**Figure 10. Location of the O'ahu cable landing site portion of the HIFL project area on a USGS map (Note: the CLS at DR Fortress in Honolulu is not shown). Existing utility infrastructure will be utilized to connect the cable landfall at Barbers Point Beach Park to the CLS at DR Fortress.**



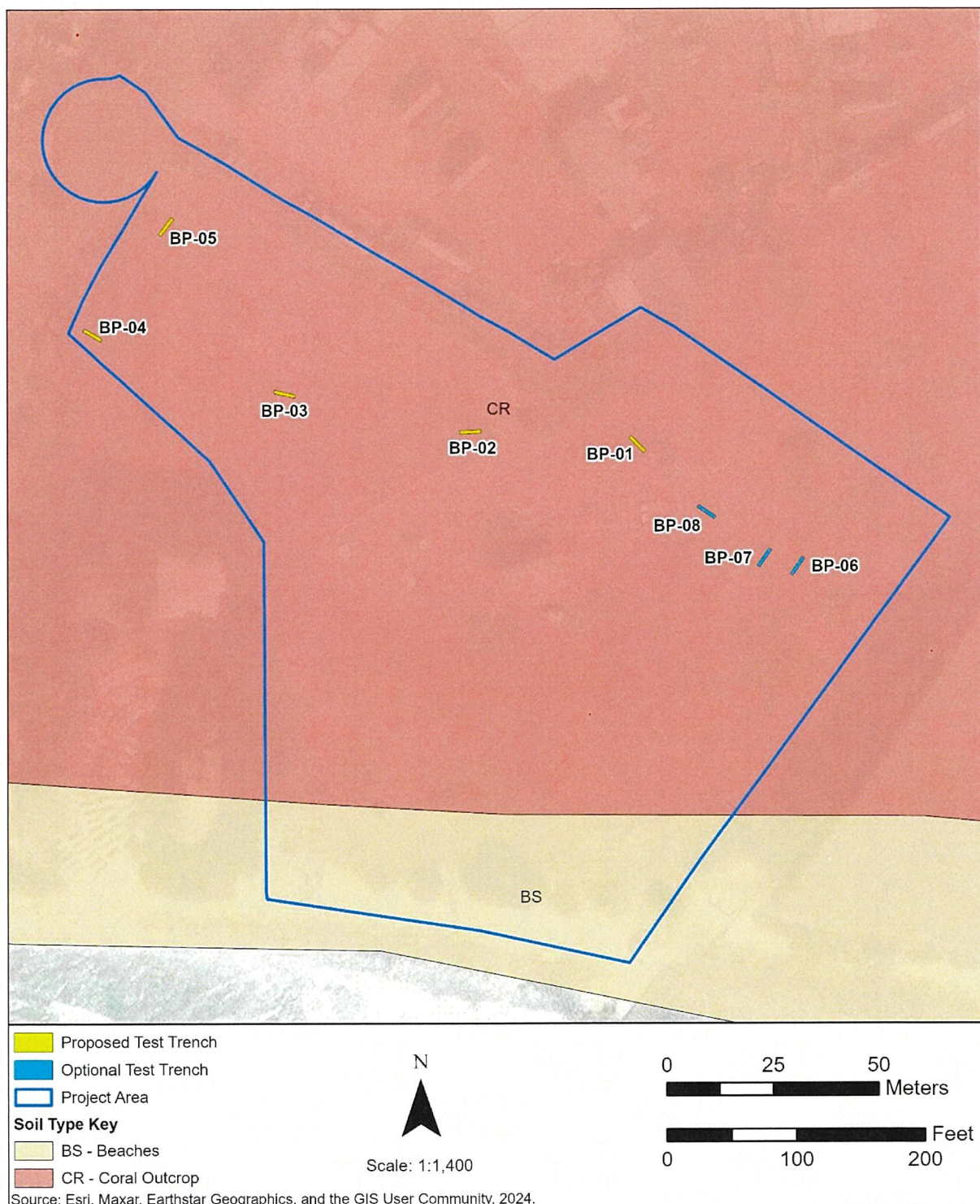
**Figure 11. Previously identified historic properties within 0.5 miles of the O'ahu portion of the HIFL project area for the O'ahu cable landing site.**





**Figure 12. Proposed AIS testing strategy for the O'ahu portion of the HIFL project area for the O'ahu cable landing site.**





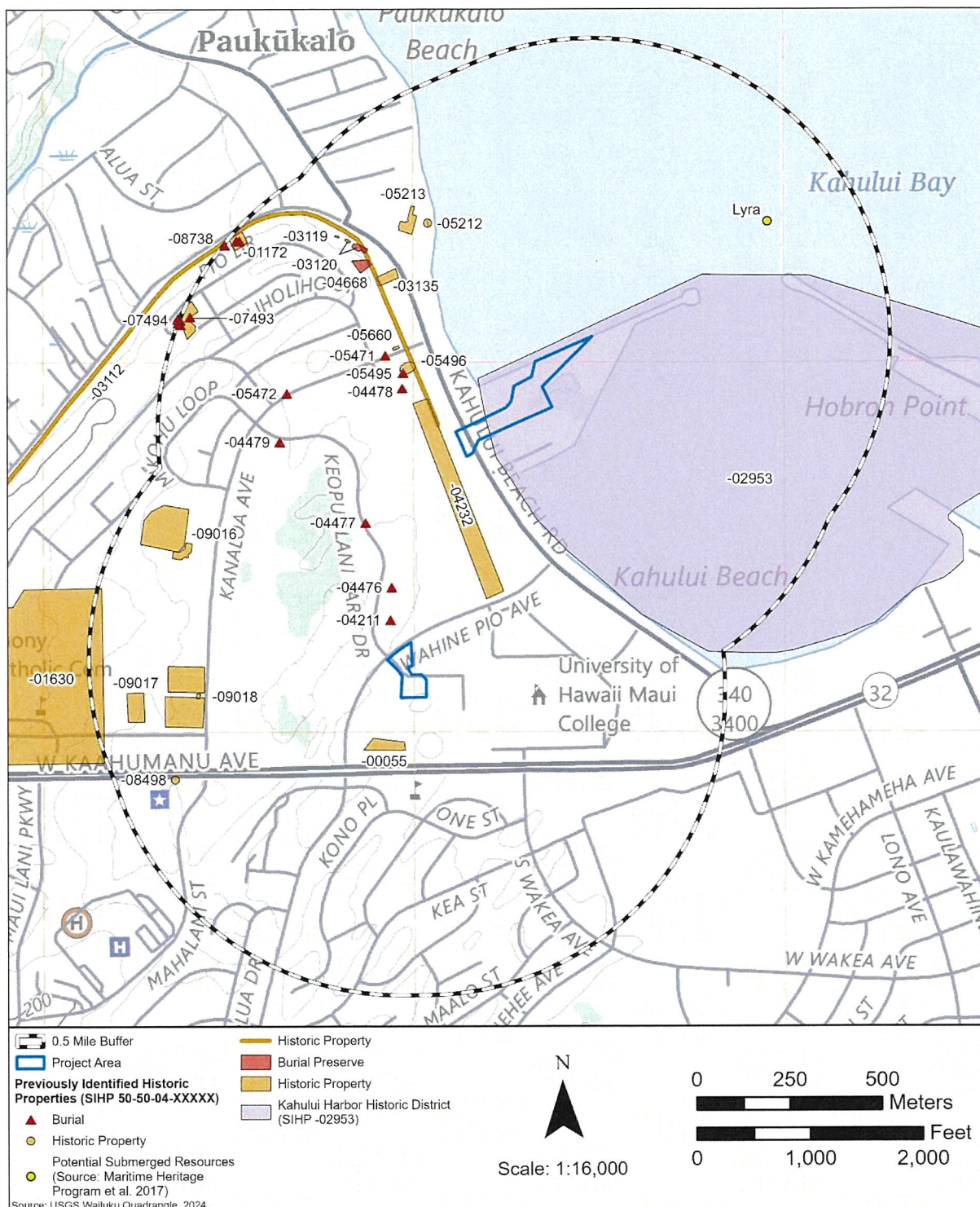
**Figure 13. Proposed AIS testing strategy for the O'ahu portion of the HIFL project area overlaid on USDA soils data for the O'ahu cable landing site.**





**Figure 14. Location of the Maui cable landing site portions of the HIFL project area on a USGS map. Existing utility infrastructure will be utilized to connect the cable landfall at Kahului Harbor to the CLS at UH Maui College.**





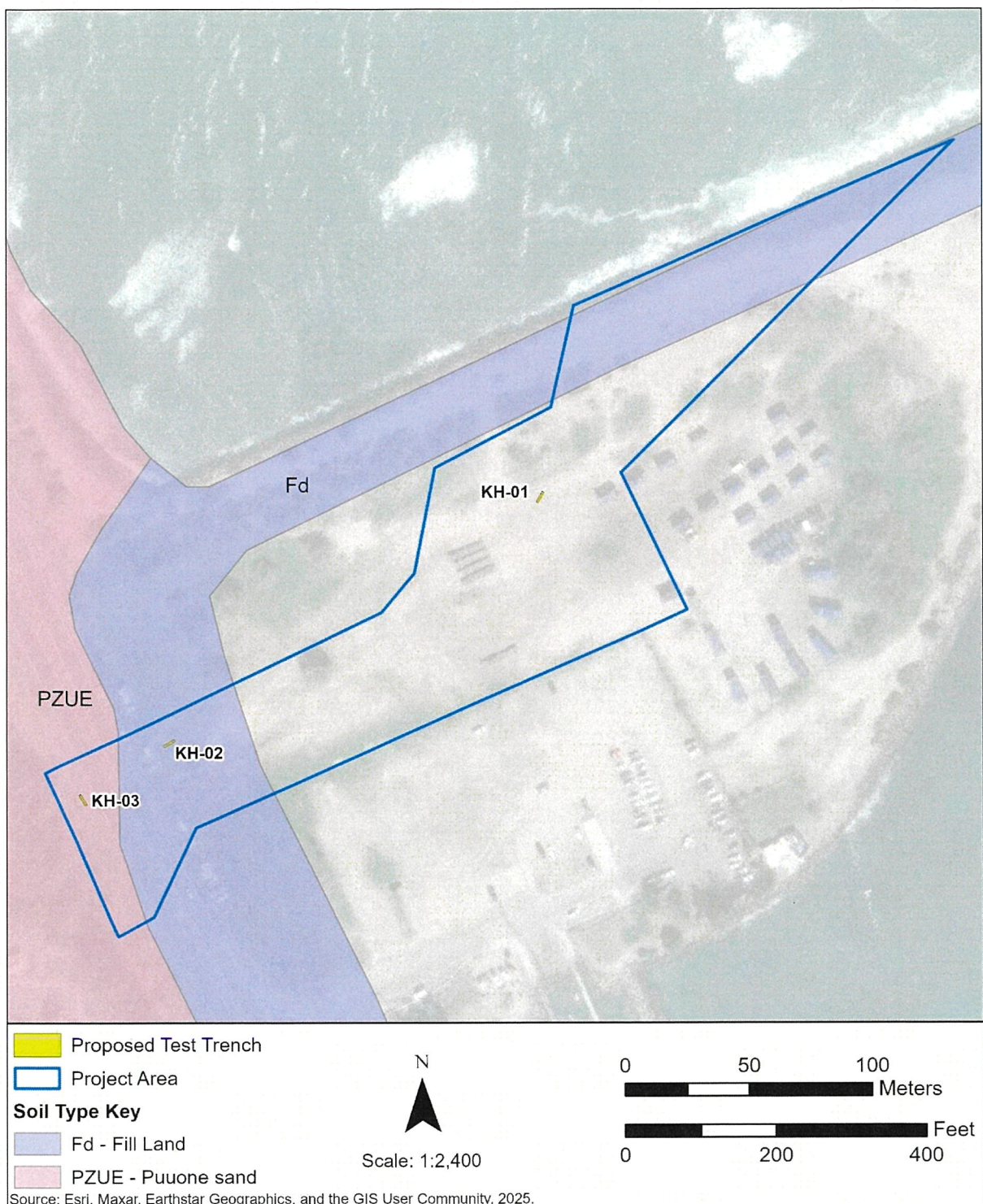




Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, 2025.

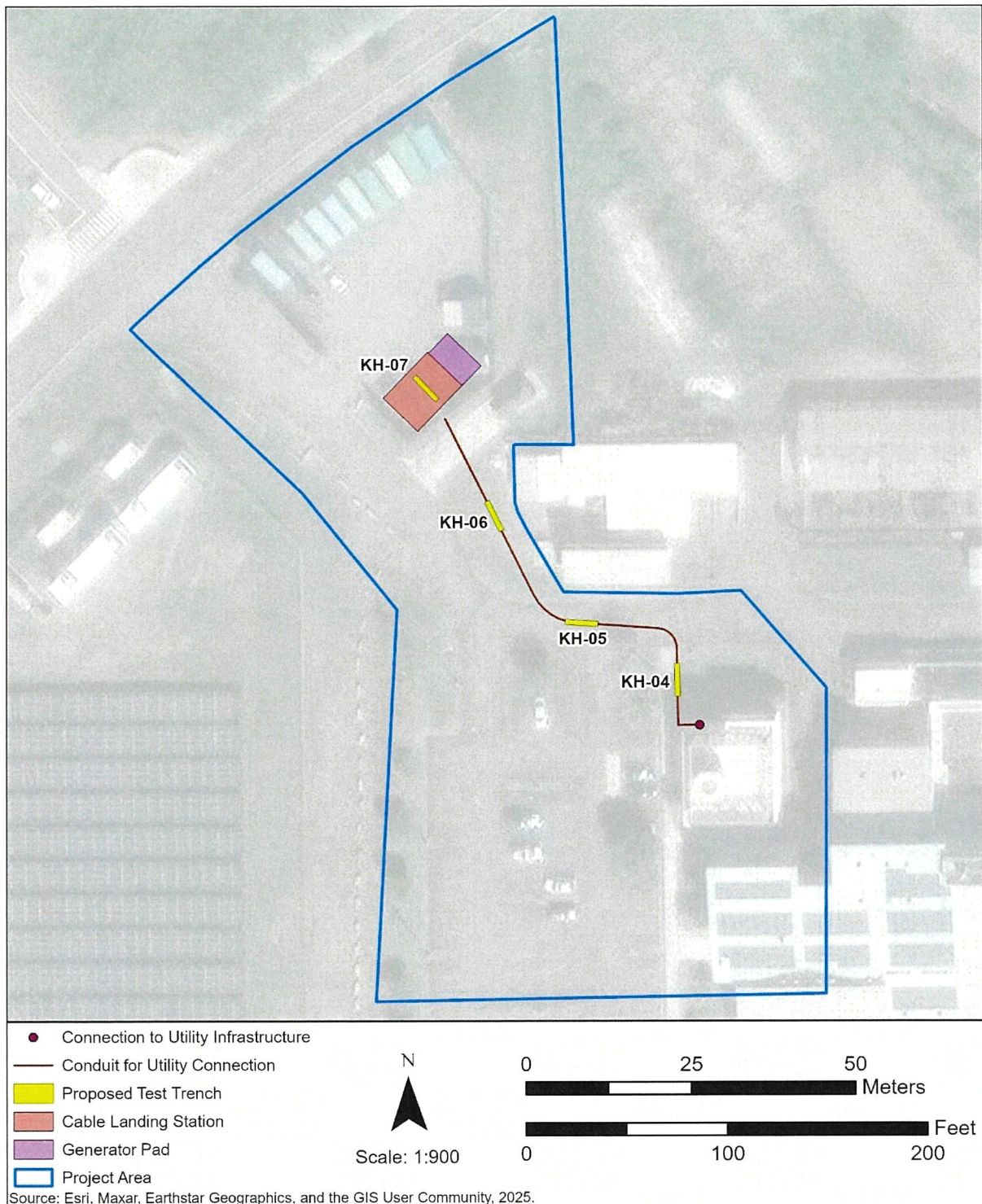
**Figure 16. Proposed AIS testing strategy for the Kahului Harbor portion of the HIFL project area for the Maui cable landing site.**





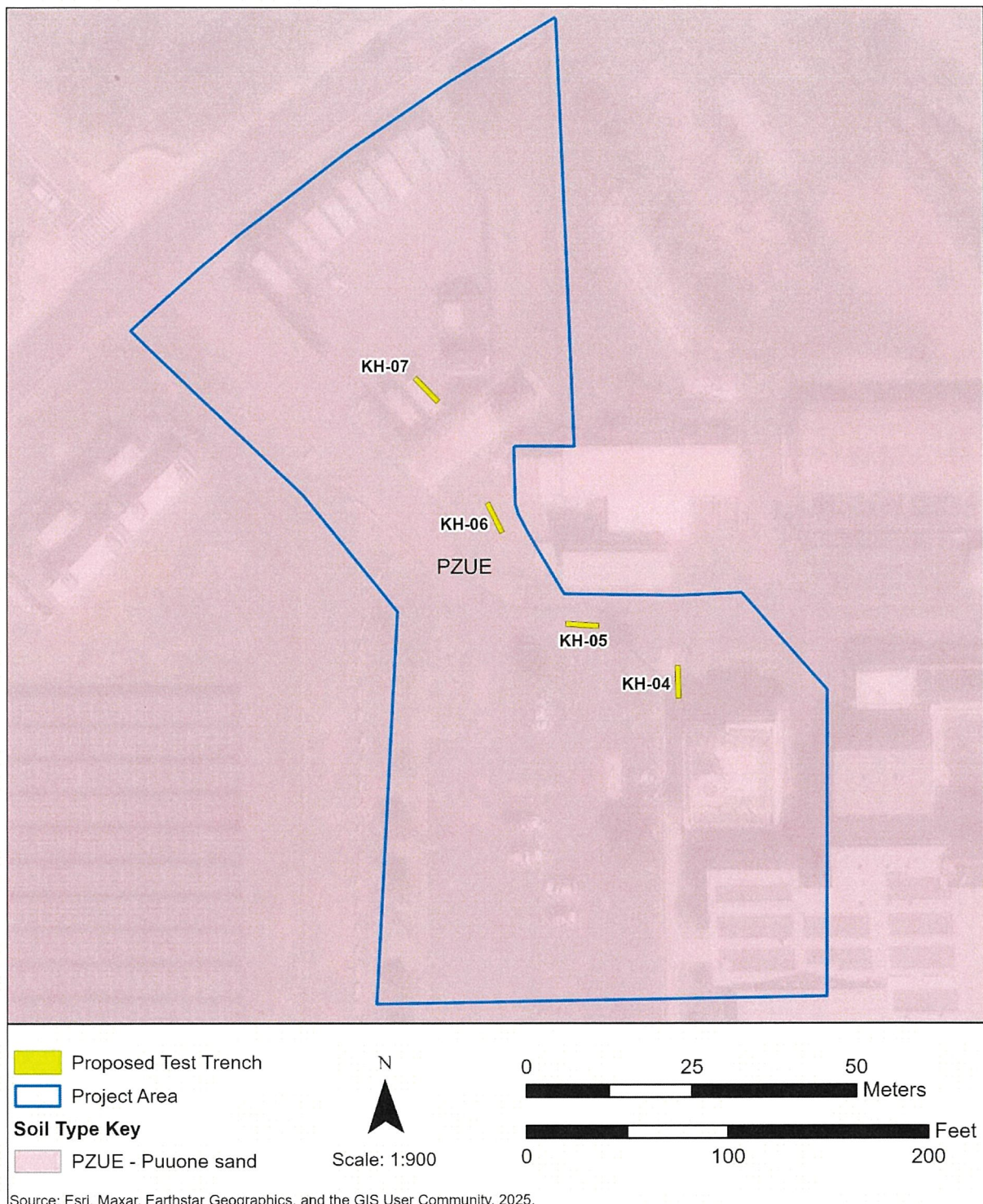
**Figure 17. Proposed AIS testing strategy for the Kahului Harbor portion of the HIFL project area for the Maui cable landing site overlaid on USDA soils data.**





**Figure 18. Proposed AIS testing strategy for the UH Maui College portion of the HIFL project area for the Maui cable landing site.**





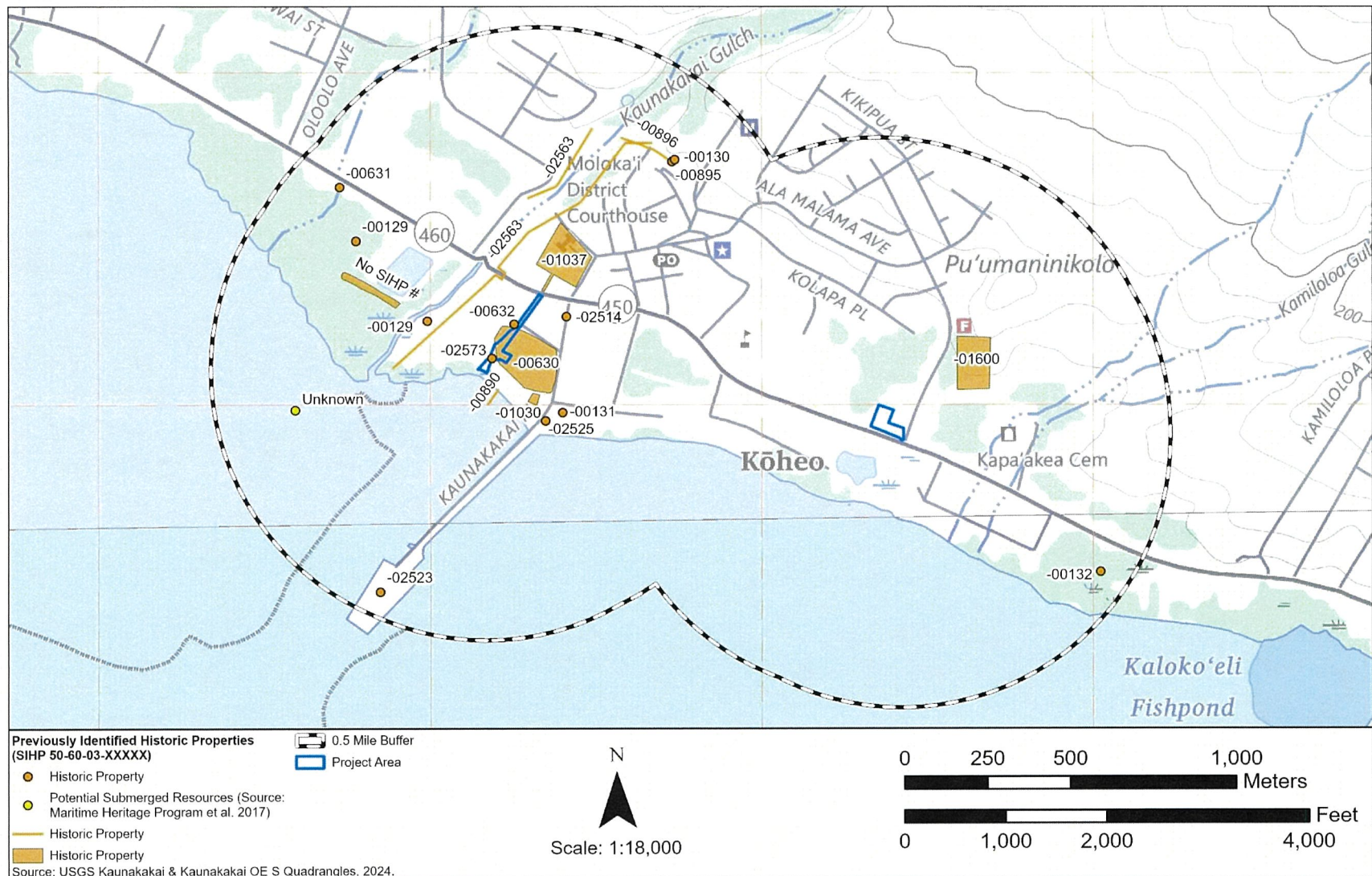
**Figure 19. Proposed AIS testing strategy for the UH Maui College portion of the HIFL project area for the Maui cable landing site overlaid on USDA soils data.**





**Figure 20. Location of the Molokai cable landing site portions of the HIFL project area on a USGS map. Existing utility infrastructure will be utilized to connect the cable landfall at the Molokai Yacht Club to the CLS at the Molokai Education Center.**





**Figure 21. Previously identified historic properties within 0.5 miles of the Molokai portions of the HIFL project area for the Molokai cable landing site.**





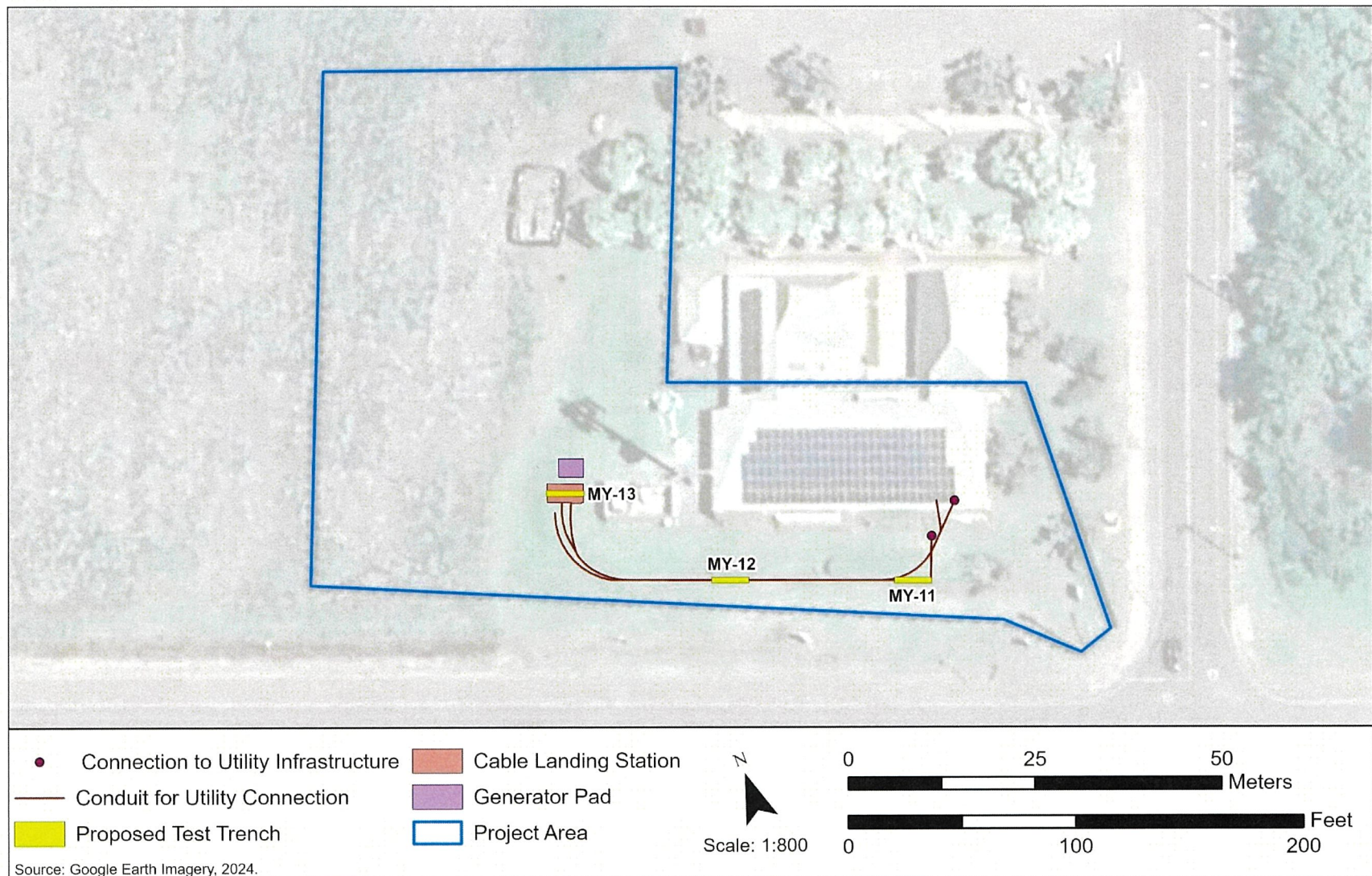
**Figure 22. Location of potential historic properties documented during the field inspection within the Molokai Yacht Club portion of the HIFL project area for the Molokai cable landing site.**





**Figure 23. Proposed AIS testing strategy for the Molokai Yacht Club portion of the HIFL project area for the Molokai cable landing site.**





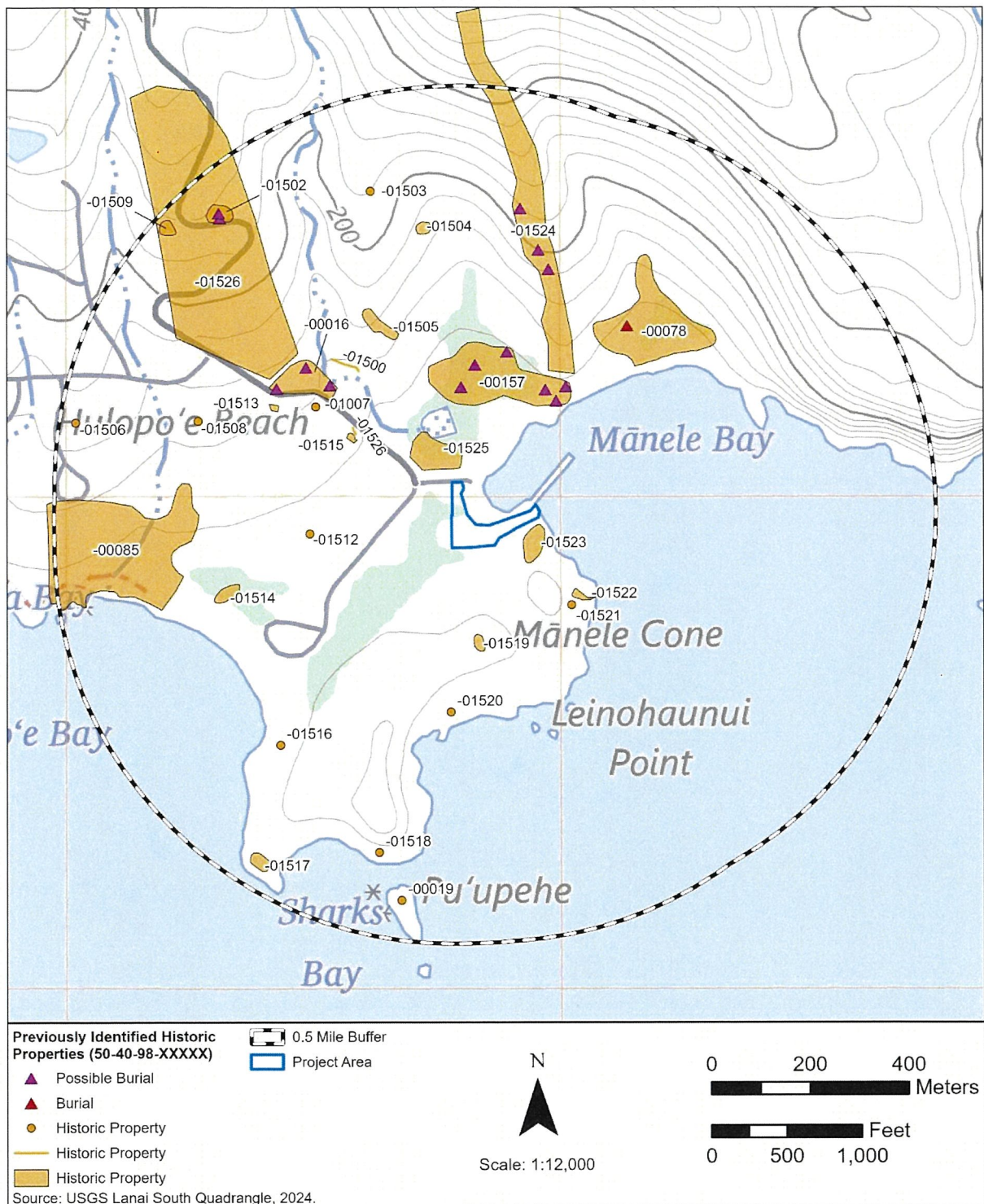
**Figure 24. Proposed AIS testing strategy for the Molokai Education Center portion of the HIFL project area for the Molokai cable landing site.**





**Figure 25. Location of the Lānaʻi cable landing site portion of the HIFL project area on a USGS map (Note: the CLS at UH Maui, Lānaʻi Education Center in Lānaʻi City is not shown). Existing utility infrastructure will be utilized to connect the cable landfall at Mānele Harbor to the CLS at UH Maui, Lānaʻi Education Center.**





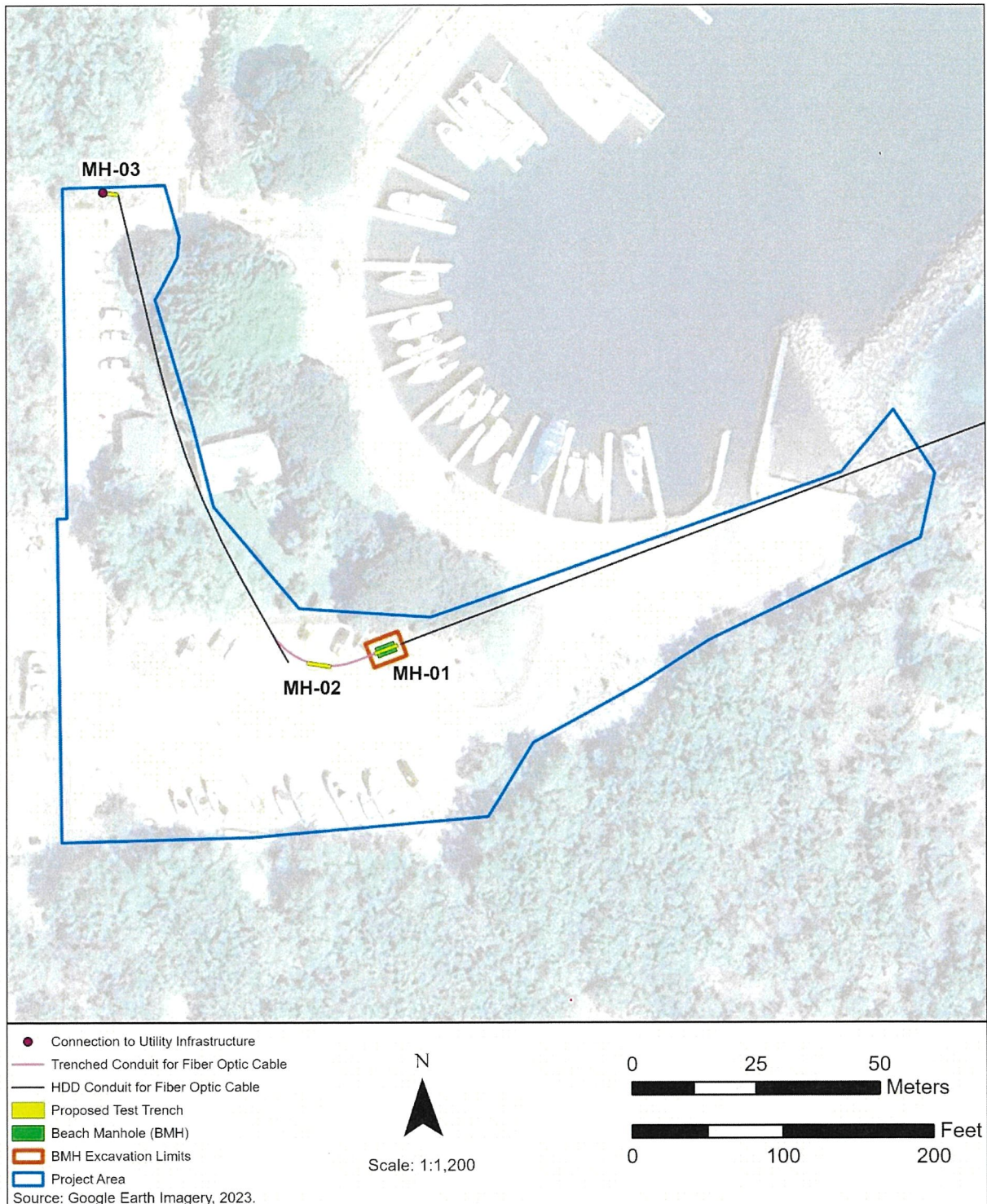
**Figure 26. Identified historic properties within 0.5 miles of the Lānaʻi portion of the HIFL project area for the Lānaʻi cable landing site.**





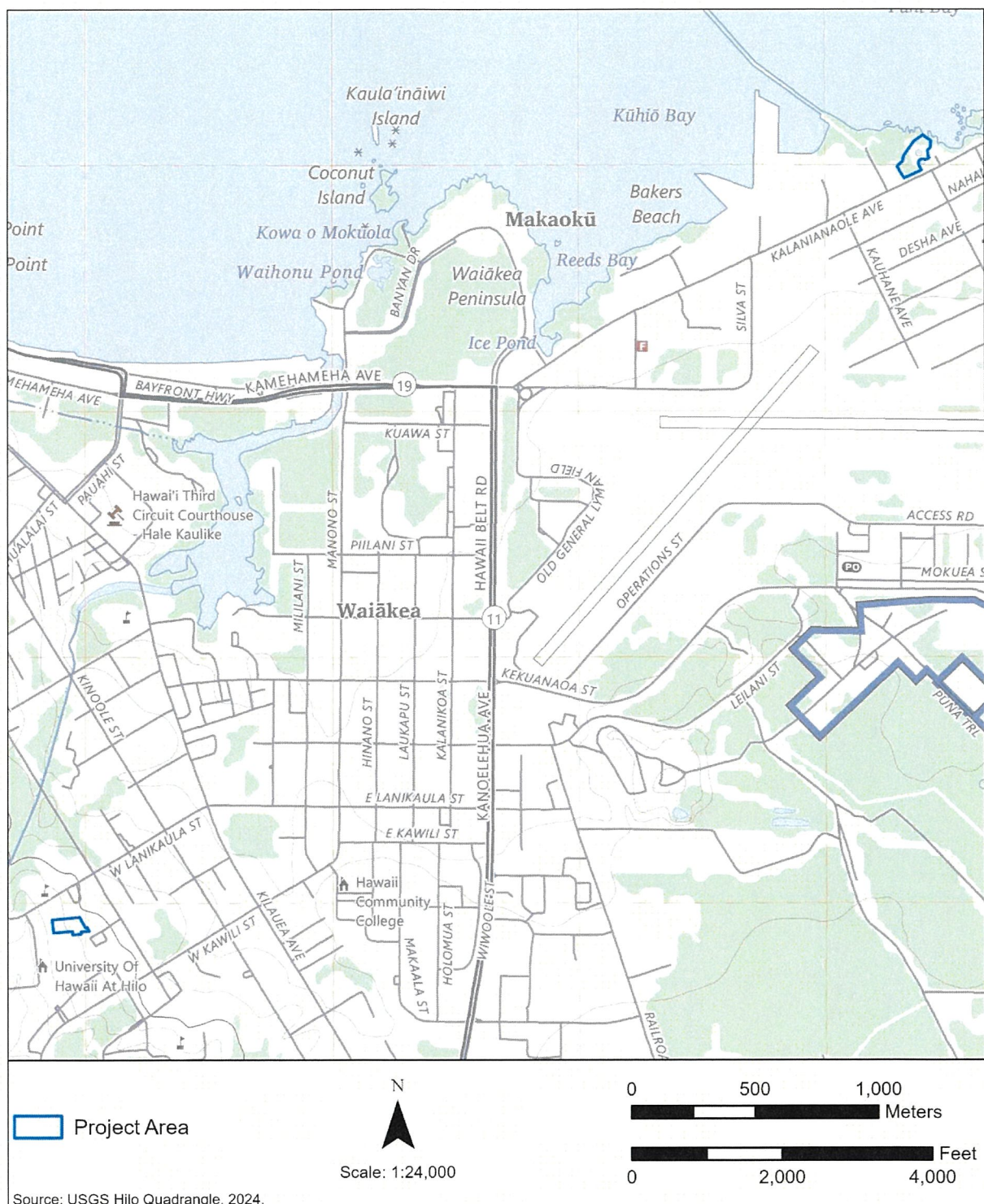
**Figure 27. Location of potential historic properties documented during the field inspection within the Lānaʻi portion of the HIFL project area for the Lānaʻi cable landing site.**





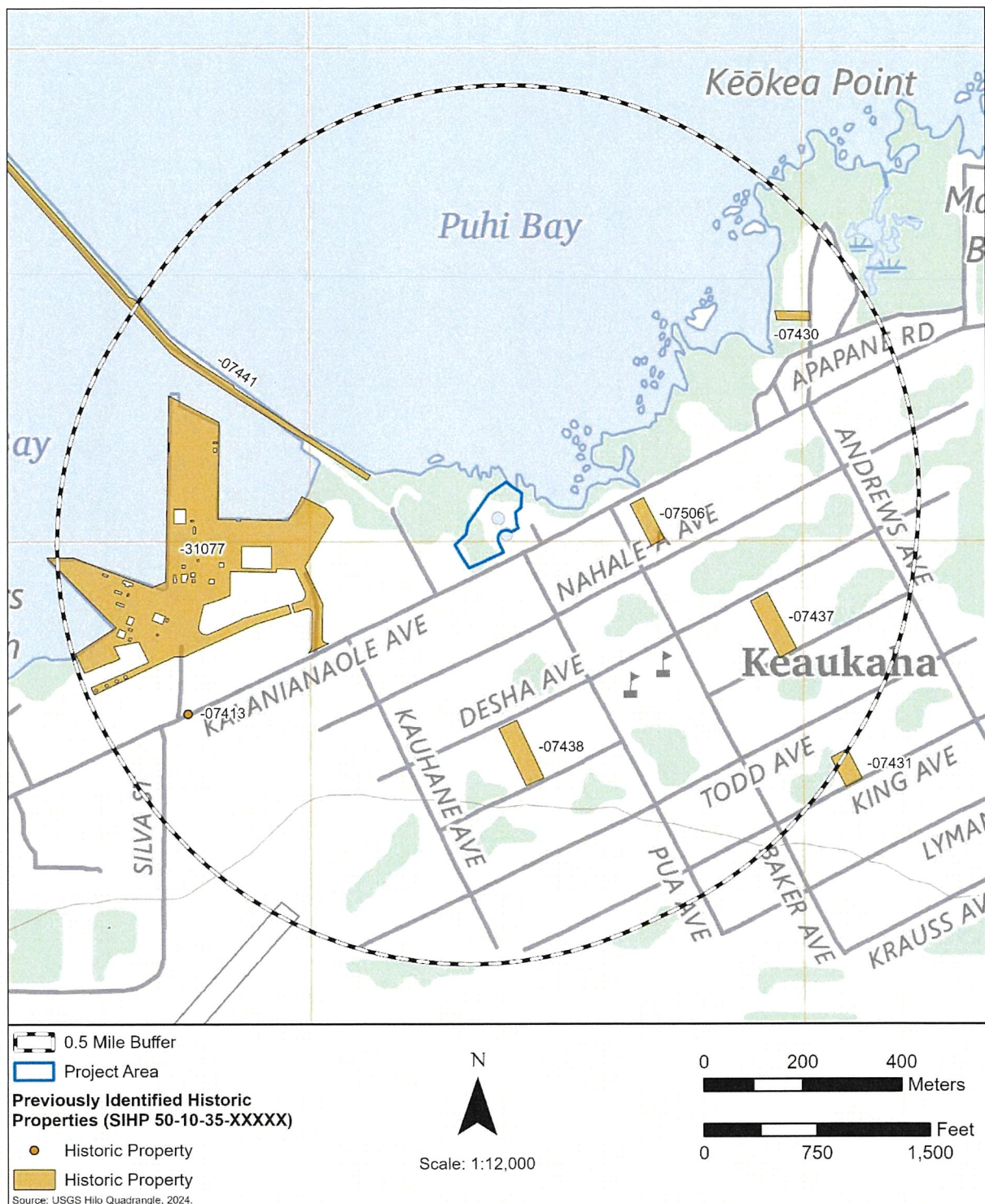
**Figure 28. Proposed AIS testing strategy for the Lānaʻi portion of the HIFL project area for the Lānaʻi cable landing site.**





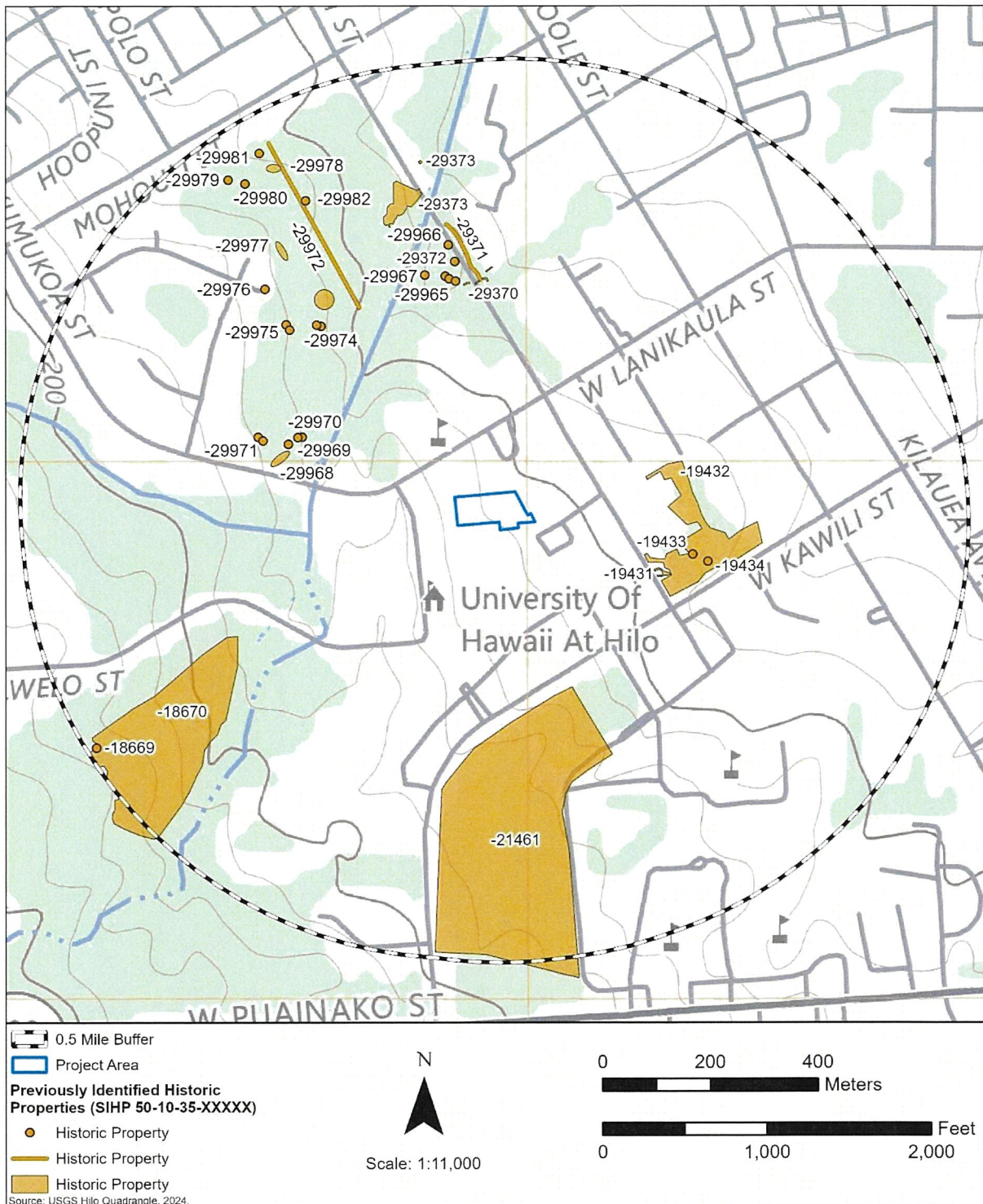
**Figure 29. Location of the Hawai'i Island cable landing site portions of the HIFL project area on a USGS map. Existing utility infrastructure will be utilized to connect the cable landfall at PACRC to the CLS at UH Hilo.**





**Figure 30. Identified historic properties within 0.5 miles of the PACRC portion of the HIFL project area for the Hawai'i Island cable landing site.**





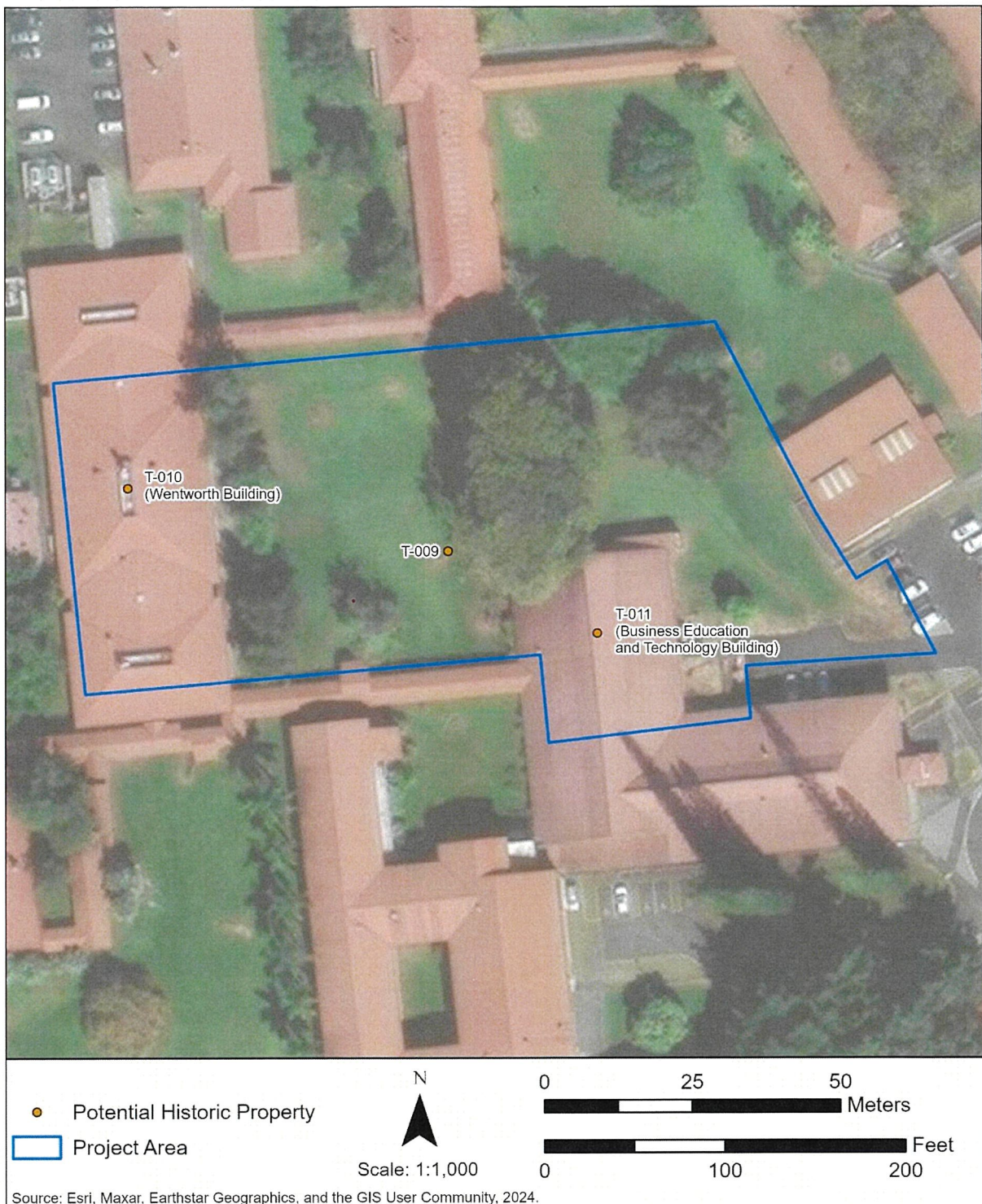
**Figure 31. Identified historic properties within 0.5 miles of the UH Hilo portion of the HIFL project area for the Hawai'i Island cable landing site.**





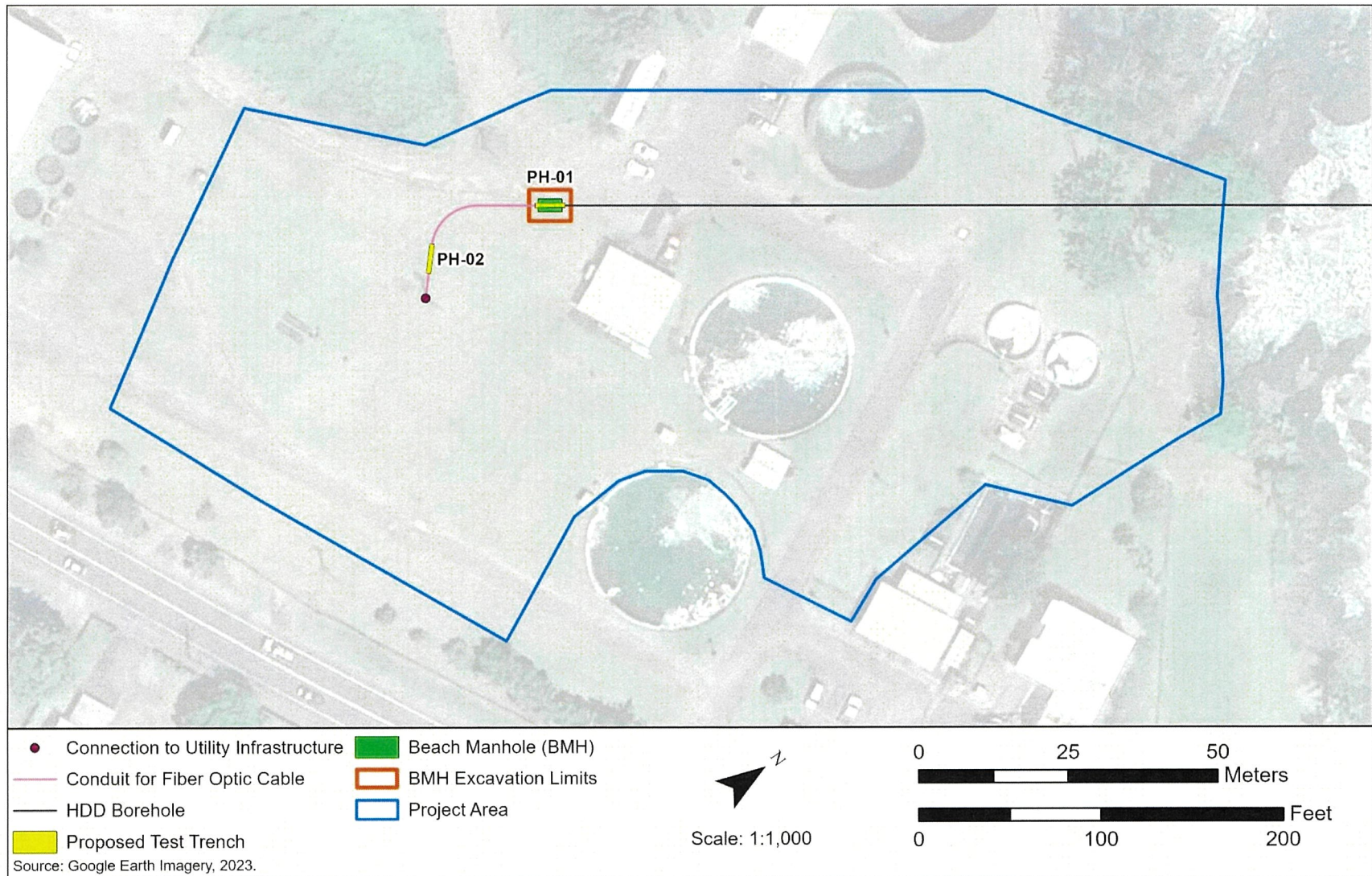
**Figure 32. Location of potential historic properties and a modern feature documented during the field inspection within the PACRC portion of the HIFL project area for the Hawai'i Island cable landing site.**





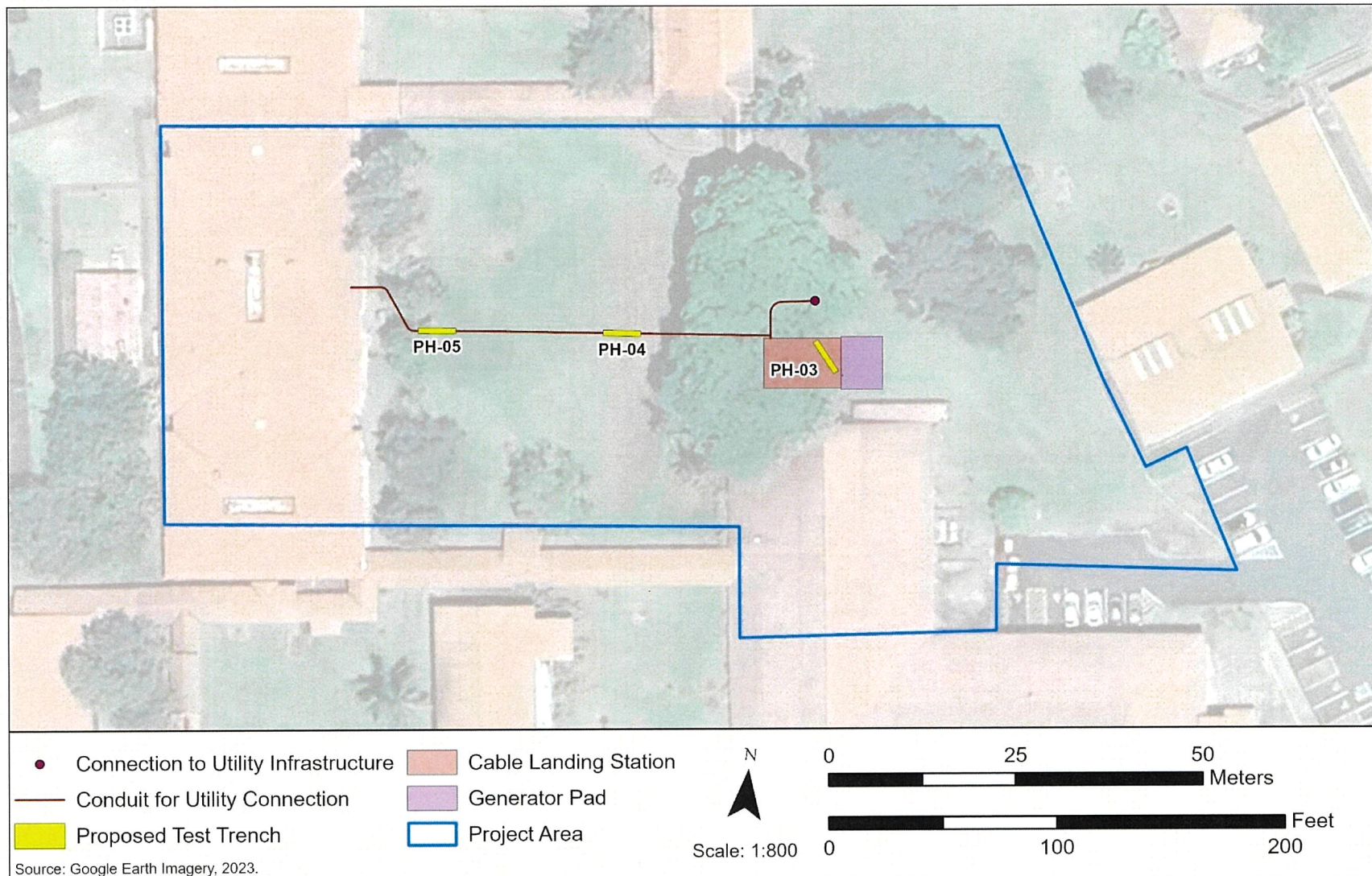
**Figure 33. Location of historic buildings documented during the field inspection within the UH Hilo portion of the HIFL project area for the Hawai'i Island cable landing site.**





**Figure 34. Proposed AIS testing strategy for the PACRC portion of the HIFL project area for the Hawai'i Island cable landing site.**





**Figure 35. Proposed AIS testing strategy for the UH Hilo portion of the HIFL project area for the Hawai'i Island cable landing site.**



JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA

STATE HISTORIC PRESERVATION DIVISION  
KAKUHIHEWA BUILDING  
601 KAMOKILA BLVD, STE 555  
KAPOLEI, HAWAII 96707

November 28, 2025

DAWN N.S. CHANG  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

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FIRST DEPUTY

CIARA W.K. KAHAHANE  
DEPUTY DIRECTOR - WATER

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ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

Project No: TBD  
Doc No: 2511LK07

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name "Jessica L. Puff".

SUBJECT: **Descendancy Recognition Application of Kristy Francisca Kauionalani Leialoha Lacio to Identified Human Skeletal Remains of Hulimai Manuwa Located at Honolulu Bay, Ahupua'a of Honolulu, Ka'anapali District, Island of Maui, TMK: (2) 4-1-001:006**

For the purpose of establishing and substantiating a lineal descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

In this case, the applicant was able to identify her ancestors that are buried on the property as her great, great, great grandmother, Hulimai Manuwa. Thus, the applicant provided sufficient evidence that demonstrated direct genealogical connection to those Native Hawaiian Skeletal Remains.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Kristy Francisca Kauionalani Leialoha Lacio as a **lineal descendant** to the identified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).



JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA

STATE HISTORIC PRESERVATION DIVISION  
KAKUHIHEWA BUILDING  
601 KAMOKILA BLVD, STE 555  
KAPOLEI, HAWAII 96707

November 28, 2025

DAWN N.S. CHANG  
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BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

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CIARA W.K. KAHAHANE  
DEPUTY DIRECTOR - WATER

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ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

Project No: TBD  
Doc No: 2511LK08

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name "Jessica L. Puff".

SUBJECT: **Descendancy Recognition Application of Misty Ann Kalamaula Ku'uipo Lacio to Identified Human Skeletal Remains of Hulimai Manuwa Located at Honolulu Bay, Ahupua'a of Honolulu, Ka'anapali District, Island of Maui, TMK: (2) 4-1-001:006**

For the purpose of establishing and substantiating a lineal descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

In this case, the applicant was able to identify her ancestors that are buried on the property as her great, great, great grandmother, Hulimai Manuwa. Thus, the applicant provided sufficient evidence that demonstrated direct genealogical connection to those Native Hawaiian Skeletal Remains.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Misty Ann Kalamaula Ku'uipo Lacio as a **lineal descendant** to the identified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).



JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
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November 28, 2025

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Project No: TBD  
Doc No: 2511LK09

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the "FROM:" line.

SUBJECT: **Descendancy Recognition Application of Maika Lyle Martin Lacio to Identified Human Skeletal Remains of Hulimai Manuwa Located at Honolulu Bay, Ahupua'a of Honolulu, Ka'anapali District, Island of Maui, TMK: (2) 4-1-001:006**

For the purpose of establishing and substantiating a lineal descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted his application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

In this case, the applicant was able to identify his ancestors that are buried on the property as his great, great, great grandmother, Hulimai Manuwa. Thus, the applicant provided sufficient evidence that demonstrated direct genealogical connection to those Native Hawaiian Skeletal Remains.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Maika Lyle Martin Lacio as a **lineal descendant** to the identified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).



JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA

STATE HISTORIC PRESERVATION DIVISION  
KAKUHIHEWA BUILDING  
601 KAMOKILA BLVD, STE 555  
KAPOLEI, HAWAII 96707

November 17, 2025

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STATE PARKS

Project No: 2024PR01227

Doc No: 2511LK06

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name "Jessica L. Puff".

SUBJECT: **Descendancy Recognition Application of Vanessa Uwalani Regina Hussey to Identified Human Skeletal Remains of Ka'ahanui Kaleohano Located at Paeohi Street, Ahupua'a of Aki, Lāhainā District, Island of Maui, TMK: (2) 4-5-023:069.**

For the purpose of establishing and substantiating a lineal descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

In this case, the applicant was able to identify her ancestors that are buried on the property as her great, great grandmother, Ka'ahaui Kaleohano. Thus, the applicant provided sufficient evidence that demonstrated direct genealogical connection to those Native Hawaiian Skeletal Remains.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Vanessa Uwalani Regina Hussey as a **lineal descendant** to the identified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).

JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
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November 17, 2025

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Project No: 2024PR01227

Doc No: 2511LK05

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name Jessica L. Puff.

SUBJECT: **Descendancy Recognition Application of Nancy Anastacia Kunuiainakea Hussey to Identified Human Skeletal Remains of Ka'ahanui Kaleohano Located at Paeohi Street, Ahupua'a of Aki, Lāhainā District, Island of Maui, TMK: (2) 4-5-023:069.**

For the purpose of establishing and substantiating a lineal descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

In this case, the applicant was able to identify her ancestors that are buried on the property as her great grandmother, Ka'ahanui Kaleohano. Thus, the applicant provided sufficient evidence that demonstrated direct genealogical connection to those Native Hawaiian Skeletal Remains.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Nancy Anastacia Kunuiainakea Hussey as a **lineal descendant** to the identified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).



JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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November 17, 2025

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Project No: 2024PR01227

Doc No: 2511LK04

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name "Jessica L. Puff".

SUBJECT: **Descendancy Recognition Application of Anica Christine Mekanoe Hussey to Identified Human Skeletal Remains of Ka'ahanui Kaleohano Located at Paeohi Street, Ahupua'a of Aki, Lāhainā District, Island of Maui, TMK: (2) 4-5-023:069.**

For the purpose of establishing and substantiating a lineal descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

In this case, the applicant was able to identify her ancestors that are buried on the property as her great grandmother, Ka'ahanui Kaleohano. Thus, the applicant provided sufficient evidence that demonstrated direct genealogical connection to those Native Hawaiian Skeletal Remains.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Anica Christine Mekanoe Hussey as a **lineal descendant** to the identified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).

JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
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STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
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November 17, 2025

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STATE PARKS

Project No: 2024PR00967

Doc No: 2511LK01

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name "Jessica L. Puff".

SUBJECT: **Descendancy Recognition Application of Vanessa Uwalani Regina Hussey to Unidentified Human Skeletal Remains Located at Loko o Mokuhinia, Ahupua'a of Waiokama and Lower Waine'e, Lāhainā District, Island of Maui, TMK: (2) 4-6-007; 001; 002; and 036-038.**

For the purpose of establishing and substantiating a cultural descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

The Administrative Rules require that the applicant provide evidence of genealogical connections to a Native Hawaiian ancestor who once resided and/or are buried in the same ahupua'a or district where the unidentified skeletal remains are located or originated from. In this case, the applicant has submitted sufficient evidence connecting her to Kekahuna Keawe'iwi who once resided in the ahupua'a of Waiokama and Lower Waine'e in the Lāhainā district. The SHPD has verified this information through birth records, death records, marriage certificates, land conveyance documents, family genealogy, probate records as well as oral family history.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Vanessa Uwalani Regina Hussey as a **cultural descendant** to the unidentified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).



JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
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Project No: 2024PR00967

Doc No: 2511LK03

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name "Jessica L. Puff".

SUBJECT: **Descendancy Recognition Application of Nancy Anastacia Kunuiainakea Hussey to Unidentified Human Skeletal Remains Located at Loko o Mokuhinia, Ahupua'a of Waiokama and Lower Waine'e, Lāhainā District, Island of Maui, TMK: (2) 4-6-007; 001; 002; and 036-038.**

For the purpose of establishing and substantiating a cultural descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

The Administrative Rules require that the applicant provide evidence of genealogical connections to a Native Hawaiian ancestor who once resided and/or are buried in the same ahupua'a or district where the unidentified skeletal remains are located or originated from. In this case, the applicant has submitted sufficient evidence connecting her to Kekahuna Keawe'iwi who once resided in the ahupua'a of Waiokama and Lower Waine'e in the Lāhainā district. The SHPD has verified this information through birth records, death records, marriage certificates, land conveyance documents, family genealogy, probate records as well as oral family history.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Nancy Anastacia Kunuiainakea Hussey as a **cultural descendant** to the unidentified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).

JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
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November 17, 2025

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Project No: 2024PR00967

Doc No: 2511LK02

TO: Members, Maui/Lāna'i Islands Burial Council

FROM: Jessica L. Puff, SHPD Administrator

A handwritten signature in black ink, appearing to be "JPuff", is written over the name "Jessica L. Puff".

**SUBJECT: Descendancy Recognition Application of Anica Christine Mekanoe Hussey to Unidentified Human Skeletal Remains Located at Loko o Mokuhinia, Ahupua'a of Waiokama and Lower Waine'e, Lāhainā District, Island of Maui, TMK: (2) 4-6-007; 001; 002; and 036-038.**

For the purpose of establishing and substantiating a cultural descendancy claim to the Native Hawaiian skeletal remains located at the above location, the named individual has submitted her application and genealogical information to the Department of Land and Natural Resources, State Historic Preservation Division (SHPD) for assessment and verification pursuant to Hawaii Administrative Rules §13-300-35.

The Administrative Rules require that the applicant provide evidence of genealogical connections to a Native Hawaiian ancestor who once resided and/or are buried in the same ahupua'a or district where the unidentified skeletal remains are located or originated from. In this case, the applicant has submitted sufficient evidence connecting her to Kekahuna Keawe'iwi who once resided in the ahupua'a of Waiokama and Lower Waine'e in the Lāhainā district. The SHPD has verified this information through birth records, death records, marriage certificates, land conveyance documents, family genealogy, probate records as well as oral family history.

Based on the review of the submitted information, the SHPD recommends that the MLIBC recognize Anica Christine Mekanoe Hussey as a **cultural descendant** to the unidentified human skeletal remains at the above address.

If you have any questions or concerns, please contact Maui Burial Sites Specialist, Ms. Leinoa Kong, via email at [leinoa.kong@hawaii.gov](mailto:leinoa.kong@hawaii.gov).



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**Find at Kaulahao 10/28/25**

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**From** Kong, Leinoa M <leinoa.kong@hawaii.gov>

**Date** Wed 10/29/2025 9:01 AM

**To** OHACompliance @oha.org <ohacompliance@oha.org>; Scott Fisher <scott@hilt.org>; Everett Dowling <everett@dowlingco.com>; Dane Maxwell <diggy5451@gmail.com>; Iris Peelua <ipeelua@townemaui.com>; Diane Preza <dianepreza63@gmail.com>; wonderduman@ymail.com <wonderduman@ymail.com>; Noe Paresa <nparesa76@gmail.com>; Vernon Kalanikau <frikumvk@gmail.com>; John K. Molitau <john.k.molitau@co.maui.hi.us>; Janet Six <janet.six@co.maui.hi.us>; Kekai Robinson <kekai.robinson@co.maui.hi.us>; Layne L. Krause <layne.l.krause@co.maui.hi.us>; Greenberg, April R <april.greenberg@hawaii.gov>; Gehrman, Samantha M <samantha.gehrman@hawaii.gov>; Nakahashi, Chris <chris.nakahashi@hawaii.gov>

Aloha Nui Kākou,

On Tuesday October 28th, 2025 MPD reported to Maui County archeologist Janet Six that human skeletal remains (iwi) were found at Kaulahao in the Hāmākuapoko moku. SHPD burial sites specialist Leinoa Kong was made aware of the report on the same day and responded along with SHPD archeologists April Greenberg and Samantha Gehrman to retrieve iwi and temporarily curate at the onsite crypt with assistance from Maui County's Department of 'Ōiwi Resources' Layne Krause. Iwi are currently being temporarily curated in vaulted ahu. Please feel free to contact me if I can be of further assistance.

Mahalo,

Leinoa M. Kong M.A.  
Burial Sites Specialist  
State Historic Preservation Division  
130 Mahalani Street  
Wailuku, Hawai'i 96793  
Email: leinoa.kong@hawaii.gov  
<http://dlnr.hawaii.gov/shpd/>

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## Inadvertent Find

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**From** Kong, Leinoa M <leinoa.kong@hawaii.gov>

**Date** Tue 11/4/2025 1:42 PM

**To** Burials <burials@oha.org>; OHACompliance @oha.org <ohacompliance@oha.org>; Yamamoto, John B <john.b.yamamoto@hawaii.gov>; Scott Fisher <scott@hilt.org>; Everett Dowling <everett@dowlingco.com>; Vernon Kalanikau <frikumvk@gmail.com>; Dane Maxwell <diggy5451@gmail.com>; Iris Peelua <ipeelua@townemaui.com>; Diane Preza <dianepreza63@gmail.com>; Noe Paresa <nparesa76@gmail.com>; wonderduman@ymail.com <wonderduman@ymail.com>; John K. Molitau <john.k.molitau@co.maui.hi.us>; Kekai Robinson <kekai.robinson@co.maui.hi.us>; Janet Six <janet.six@co.maui.hi.us>; Layne L. Krause <layne.l.krause@co.maui.hi.us>; Greenberg, April R <april.greenberg@hawaii.gov>; Gehrman, Samantha M <samantha.gehrman@hawaii.gov>; Nakahashi, Chris <chris.nakahashi@hawaii.gov>

Aloha Nui Kākou,

On November 3, 2025, SHPD archeologist April Greenberg was notified by an unidentified caller who reported that her daughter and husband had brought home human skeletal remains consisting of two niho that was found and collected at the Hāna Lava Tube attraction on Ulaino road in Hāna in late October of 2025. The SHPD Burial Sites Specialist Leinoa Kong and archeologist April Greenberg retrieved the iwi on Tuesday November 4, 2025 at about 10:00 am from the residence of the caller. Iwi is currently being temporarily curated at the SHPD facilities in Wailuku. Please feel free to contact the SHPD for further assistance or information.

Ke Aloha,

Leinoa M. Kong M.A.  
Burial Sites Specialist  
State Historic Preservation Division  
130 Mahalani Street  
Wailuku, Hawai'i 96793  
Email: leinoa.kong@hawaii.gov  
<http://dlnr.hawaii.gov/shpd/>



# Cave law may stir controversy

## Measure could pit Native Hawaiians against entrepreneurs

The Maui News  
October 23, 2001

By VALERIE MONSON  
Staff Writer

WAIKAPU - A proposed cave law that would impose state regulations on caverns or lava tubes could end up pitting traditional Native Hawaiians against entrepreneurs.

The State Historic Preservation Division will hold a meeting on the drafted legislation from 7 to 10 p.m. Thursday at the Waikapu Community Center. Members of the Cave Task Force who helped put together the proposed law will be on hand to listen to public testimony.

Already, there's a growing chasm between Hawaiians who believe caves are spiritual places that often were burial grounds for their ancestors and landowners who allow their caves to be used as tourist attractions.

"The essence of the whole ordinance should protect the cultural and inherent rights of the Hawaiian people," said Charles Kauluwehi Maxwell Sr., chairman of the Maui/Lanai Islands Burial Council and a member of the task force. "Preservation should be the first priority."

Maxwell thinks the group has a long way to go before he'd be happy with the new laws that impose fines "of not more than \$10,000 for each separate offense" of desecration or pollution in the caves and disturbance of native organisms. The legislation also includes a liability section to protect owners of caves along with a confidentiality clause.

Maxwell also wonders if the new regulations can even be enforced with the current shortage of state workers.

Chuck Thorne, owner/operator of Kaeleku Caverns in Hana who also sits on the task force, said there are already laws to protect human remains found in caves, and he sees the new regulations as a much-needed way to prohibit other kinds of vandalism underground. When Thorne bought his Hana property, he had to remove 15,000 pounds of cow bones from the lava tube because the site had been used as a slaughterhouse for years.

"Now the caves will actually have a level of protection so you can't just dump things in them or use them as cesspools," he said. "You won't be able to break off a stalactite and sell them."

Thorne's cave has been the source of controversy ever since he began leading tours through it five years ago. Maxwell and other Hawaiians believe it was a burial cave and oppose the tours. Reports compiled by archaeologists over the years have been inconclusive as to whether Kaeleku actually was a burial cave, but some Hana residents who were interviewed by state officials claim they have seen human bones inside it.

Maxwell believes that caves or lava tubes that either contain or have formerly contained burials or even have legends associated with them about burials, should not be open to the public. The history of the caves should be determined, as well, he said.

"If there are no burials, we have to check with the spiritual and cultural importance before people can go niele (snoop) into places as significant as these," said Maxwell. "If it was a burial



ground or there are legends that it was a burial ground, access should be blocked."

Thorne, though, believes that if caves are cared for and used for tours conducted properly, the sites will end up being preserved.

"Some caves have burials, but most don't," he said. "It's OK to show a cave 3 you go through, you don't touch. Everything is precious and valuable, but it doesn't mean you can't go there."

Thorne said cave owners who inadvertently come across human bones face the same regulations as anyone who finds bones above ground: They must report the remains to their local burial council to determine if the bones stay in place or can be moved.

Mike Minn of Hana, a member of the Maui/Lanai Islands Burial Council, would like to see jurisdiction of the caves addressed. At the moment, those who own the land above the caves have been given authority over what lies beneath. Minn doesn't think that's right.

He also agrees with Maxwell regarding spiritual importance.

"We have to show respect to the original users of the caves," said Minn. "Something needs to be done."

During the last session, the state Legislature asked that regulations be drawn up to safeguard the natural resources of caves and lava tubes. The intent of the law recognizes the spiritual and cultural value of such places along with biological and geological resources or deposits.

Members of the task force come from around the state and include leaders of various burial councils, cave owners, researchers and state officials representing agencies such as the Office of Hawaiian Affairs, the Division of Forestry and Wildlife and SHPD. After hearings in each of the counties, the group will prepare a draft law for legislators.

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[Read testimony of Kekula Bray Crawford to Cave Task Force, 10/25/2001](#)

[Return to News page](#)

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[kale@moolelo.com](mailto:kale@moolelo.com)

[www.moolelo.com/cave-law.html](http://www.moolelo.com/cave-law.html)



February 2015

## Cave Talk, February 2015

Robert A. Holt

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## OFFICERS

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# CaveTalk

THE OFFICIAL NEWSLETTER OF THE NATIONAL CAVES ASSOCIATION

**Robert A. Holt**

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## 1965 - Celebrating Our 50th Year - 2015



**February 2015**

### Message From The President

Happy February Everyone.

It's hard to believe that January has already passed and February is upon us. I hope you're all well and starting to gear up for what we all hope will be a fantastic year for show caves.

As many of you may know our fellow caves in Missouri recently had a tussle with the Missouri Department of Transportation (MoDoT) over traffic generator signs. I am pleased to report to you that Steve Thompson of Bridal Cave and Doug Campbell of Fantastic Caverns were able to rally support locally and nationally to convince MoDoT to reconsider the proposed change in signage laws. Our Missouri colleagues will be able to retain their signs. Congratulations on a job well done! I'd like to thank everyone who wrote letters or emails or made phone calls to MoDoT or Missouri legislators supporting the Missouri caves. Just goes to show you what can be done when we rally together.

I want to send a BIG shout out to Tom Hagen of Rushmore Cave our Region Five Director for the time and effort he's put into bringing Wind Cave National Park, Jewel Cave National Monument, Kartchner Caverns State Park; and hopefully Lewis and Clark Caverns State Park into the NCA membership. Tom's done a yeoman's job of meeting with the powers that be at each of these caves and getting the applications completed and in to the NCA office. We already have these caves voted in as new members by our Board of Directors. Thanks Tom!!!

We also hope to bring back Carlsbad Caverns National Park, Mammoth Cave National Park, Blanchard Springs Caverns, Rickwood Caverns State Park and some others in the near future. Stay tuned.

Your Board of Directors will hold their annual mid-winter business meeting in St. Louis in early March. If there are any issues that you feel the Board should discuss please feel free to share your thoughts and ideas with your regional director or your executive committee.

Have a great February!!

**Steve Rawlings**



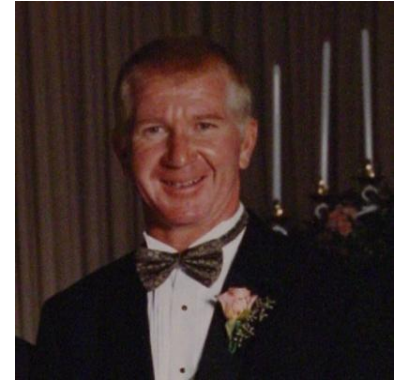


# Remembering Our Friend Steve Turner

It is with great sorrow that we inform you of the passing of our friend, and a caving companion to several of you... Steve Turner. Steve worked in MANY show caves with Roy Davis. He attended several conventions and was a close friend of the late Barbara Munson. He passed away January 4, 2015 at the age of 56 at his residence. He had been diagnosed with melanoma in May of last year. His remains were cremated.



Many of you had the opportunity to work with Steve at your cave whether it be a lighting project or an expansion into a new room... Steve was there along with Roy. A few of our NCA family members would like to share their thoughts and memories.



**Tim Grissom of Ohio Caverns shares:** Steve, another friend and I climbed the summit of Mt. Whitney, California in 1994. It is the highest peak in the lower 48

states. Steve and I got the "climbing bug" on this trip. We also went on mountain climbing trips in Chile and Argentina in 1998 and 2000. On the 2000 trip Steve summated the tallest peak in the southern and western hemisphere. Aconcagua is 22,841 feet above sea level. The photo of Steve in the tux is a shock for most, as this was the only time in his life that he wore one. He was the best man in my wedding in 2001.



I don't think I have a single photo of Steve in a cave, although he spent many hours underground in many different caves. We even worked at Cumberland Caverns together as guides. He mentioned that the best caving trip of his life was into the largest cave in Tennessee, Blue Spring near Sparta. He and a few others discovered and explored a few miles (yes, miles) of virgin cave during the early days of exploration there (1990). I know that he worked with Roy Davis in caves all over the U.S. and in Bermuda, Barbados, and Curacao. Maybe even more that I have forgotten about.

**Rod Graves of Luray Caverns says:** Oh this news of Steve passing has made me very sad. Steve was a real cave man. He and I hit it off really well years ago at NCA particularly at the convention in Arkansas and beyond. He will be missed for his great passion for our industry and our friendship.

**Rho Lansden of Lost River Cave & Valley recalls:** I have many great memories of Steve especially when he and Roy were doing work for us at our cave. I have the utmost respect for him and how he respected his working relationship with Roy, his dog and all other animals. Steve was a very talented man who was kind and gentle and he had a wonderful sense of humor. Steve was also the type of person easily to make friends with and I will certainly miss our friendship.

Steve was never married and had no children. He is survived by his mother Lucille, a brother and a sister.

Eternal rest grant to him, O Lord, and let perpetual light shine upon him. May Steve rest in peace.





## Cave For Sale In Hawaii (Lava Tube)

Aloha from Hawai'i,

Thought you may be interested in considering the commercial possibilities of a cave that has come on the market in Hawaii. It's a pretty nice lava tube, called Kalaninauli, located on the edge of a one-acre forested lot in the town of Volcano, which is a bit of an upscale tourist mecca, located outside the Hawaii Volcanoes National Park.

The Kalaninauli lava tube has fairly large dimensions, some nice lava features, no side passages and, with a little work and investment, could be quite a nice tourist attraction. The owners are asking \$110,000, and the county appraised value is \$70,000.

The entrance to Kalaninauli is a small pit, which could accommodate a set of stairs or a ladder. Unfortunately it is very close to the boundary of the lot, so no building could be erected over it.

From the entrance, one can go left or right. If you go left, or uphill, you will see about 350' of large passage with a nice floor that in part is covered with breakdown from the ceiling. Being lava rocks, they are fairly light and could be moved or crushed to create a trail. This passage ends in a lava falls about 20' tall. We packed in an extendable ladder and climbed up to find that the tube pinched down in about 80 feet of mostly crawling passage.

If you turn right or downhill at the entrance you are in quite large passage with a lot of breakdown. After a while, the breakdown ends and you are on smooth floor in very nice, intact passage. Sadly the ceiling slowly comes down and one has to stoop walk and then crawl to get to the end. This section could be fine for a "spelunking" or "wild" tour. The end is 1500' from the entrance, and the last 300' is beyond a low, 12" crawl. Perhaps the end could be opened up? It is not close to any known cave, though is it parallel to Kazamura, the longest surveyed and deepest lava tube we know of in the world.



Back to the surface. The lot is heavily wooded with lots of big ginger (a pest in Hawaii) and some nice native shrubs and trees with a fine selection of birds. The lot could be developed as a small nature trail, perhaps? Volcano town gets lots of rain and is generally a lot cooler than the rest of the Big Island. It is located near to the summit of one of the 5 volcanoes on the Big Island - Kilauea - which is currently active. (But don't worry, the flowing lava is nowhere near the town of Volcano). The lot is one lot back from the main road through town. This road has a lot of restaurants (many very pricey). Bed-and-breakfasts abound in the area. The town also has a gas station, some art studios and tourist boutiques. It is only a few miles to the entrance of the National Park, which draws more visitors than any other tourist attraction on the Big Island. The park has one lodge, but most visitors end up eating lunch and dinner in Volcano.



What about other show caves in the area?

There is one lava tube in the park, Thurston Lava Tube, which is short, very heavily visited and is not that interesting. Think railroad tunnel. For a while the park offered one tour a week into Cockscomb Cave, with only about 10 people per tour. It was always sold out within minutes of the bookings opening. That was closed, ostensibly because of "The Sequester".

On the other side of the highway from Kalaninauli and a few miles further down the road, a friend leads tours into a very nice section of Kazamura. This is a small, one-man operation, not well advertised, that relies on word of mouth for clients. In my mind, this is a great tour, but it is long (3 hours), involves ladders and, while educational, only takes small groups. He caters to adults who want the wild cave experience. I think if trails were built and lights installed in the uphill section, Kalaninauli Cave would be good for short tours for larger groups of non-athletic tourists, including kids. Both operations could thrive side-by-side and may help to promote each other.

If you are interested in acquiring this cave, please give me a call at (808) 315-2196 (cell). If you know somebody who may be interested, please feel free to pass along this message. You are welcome to publish it in a grotto or regional newsletters etc.

I think it would be a great opportunity for a person who wants to own a small show cave and has the energy and enthusiasm to develop it safely and respectfully and run it as a new business with caver ethics.

I also think it is too nice a cave to fall into undeserving hands.

**Ann Bosted**

(Thanks to Gordon Smith who shared Ann's letter with us)

**Chuck Thorne of Hana Lava Tube, Hawaii weighs in:** "They did not mention that all cave tours are illegal in the state of Hawaii. Only those existing before the passage of a law about seven years ago who were 'grandfathered' in. Ric Ejard and I, and two other fellows on the big island of Hawaii received this status."



## MEMBER TIDBITS

**War Eagle Cavern** On Beaver Lake

**Resident Manager Needed...** Dennis and Vicki Boyer at War

Eagle Cavern on Beaver Lake in Arkansas are in need of a Manager who would live on site. The Boyers are looking for someone who has experience as a manager or may have worked as a number two or perhaps a trainee in management. If you are interested or know someone who might qualify, please call Dennis or Vicki at 479-789-2909 for more details.

**Cosmic Cavern**  
Berryville, Arkansas

**New Website...** Randy & Anita Langhove invite you to take a look at their newly designed website [cosmiccavern.com](http://cosmiccavern.com) which they are very proud of.



# Les Turilli, Jr. Plans Run For Governor Of Missouri

Les Turilli Jr. said he's raising money to run as an independent candidate for Missouri governor in 2016. He's an evangelical Christian who felt a calling from the Lord to enter the race. He said he is conservative on business issues and liberal in supporting government assistance for those in need.



"My purpose in running for this race is not for position of power or position of notoriety," Turilli said Tuesday. "My cause for this is to serve the people."

The field for the governor's race is starting to shape up. U.S. Sen. Claire McCaskill announced Monday that she won't run, leaving the Democratic primary clear for Attorney General Chris Koster.

As far as Republicans, former House Speaker Catherine Hanaway announced her candidacy in 2014, and Auditor Tom Schweich said shortly after McCaskill's announcement that he will decide in the coming weeks.

Turilli, 46, is an executive vice president at his parent's business, Meramec Caverns Enterprises and has a bachelor's degree in management and entrepreneurship from Baylor University. He said he wants to encourage business formation and downsize certain areas of government.

"I'm a business owner. I'm an entrepreneur," Turilli said. "I know business. I know economics. I know accounting. I know what it takes for businesses to succeed and I know what it takes for people to get by."

He also said the Bible should be taught in schools, the sole abortion clinic in Missouri should be closed and families should be strengthened. "Spiritual revival, that's what the country needs more than anything else," he said.

Turilli has worked at his parent's company in Stanton, Missouri, since he was 15 and been an executive since 1995. His campaign committee has received contributions from relatives and a \$20,000 contribution from the family business.

He declined to say how much he or the business will contribute to his campaign. He said he would rely on donations and use his personal funds "as needed." No specific campaign activities have taken place yet, but Turilli said they would begin this spring.

**Marie French**  
Associated Press



## Waynesville, Missouri Mayor Welcomes Cavers To The 2015 NSS Convention

In her first official news release concerning the upcoming [2015 National Speleological Society Convention](#), Luge Hardman, the Mayor of Waynesville, Missouri, enthusiastically welcomed an expected 2,000 cavers to the community.

The letter, addressed to convention participants, invites visitors to come and enjoy the natural beauty and historic sites in and around the diverse, progressive community of Waynesville.

Sitting on Historic Route 66 and Interstate 44, the city of 4,800 features museums, shopping and dining as well as a newly revitalized our historic downtown square and the only urban trout stream in the state of Missouri.

Mayor Hardman assures that cavers and cave divers alike will have plenty to keep them occupied. With over 6,300 caves, Missouri is affectionately known as the "Cave State." Pulaski County boasts over 300 caves itself, including [Roubidoux Spring](#) which is known nationwide as one of the largest underwater cave systems.

The 2015 NSS Convention will take place July 13th to 17th. For more information or to register, visit the [2015 NSS Convention website](#).



# WNS Report

## Legislation

The little brown myotis, the northern myotis and the tricolored bat are now listed under the Species at Risk Act (Canada). They are legally protected on Federal lands and the act requires a recovery strategy to be put in place in one year.

## Publicity

*Batman vs. Superman* director Zack Snyder teamed with Rob Mies to build bat houses out of the movie sets after filming. Some are signed by Ben Affleck and will be auctioned in 2016 when the movie is released.

## New Locations

The Wisconsin DNR has found *Geomyces destructans* in a cave (but not in bats yet) in Dane County

## Closures

Hoosier National Forest will continue to keep caves closed through 2017.

## Research

The USGS and University of Wisconsin hypothesized that *P. destructans* causes death by increasing energy usage during hibernation. They measured the amount of energy usage in both infected and healthy bats hibernating under similar conditions. Not only did they find that the infected bats used twice as much energy and had physiologic imbalances (such as high levels of carbon dioxide and potassium), but also that these effects started before there was severe damage to the wings of the bats and before the disease caused increased activity levels in the hibernating bats.

A team at Georgia State University's Crow Lab has found a soil-associated bacterium, *Rhodococcus rhodochrous*, that in the lab, it does not need to touch *P. destructans* or the bats in order to prevent or reduce WNS. They will be conducting trials at hibernacula in Missouri and Kentucky this winter.

**Patty Perlaky**

WNS Chair

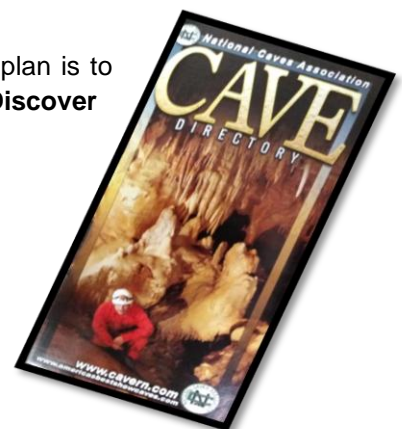


## NCA Brochures

Very soon we will be working on a new design and printing of our brochures. The plan is to have it look similar to our new website promoting "America's Best Showcaves" - Discover America Underground.

### ORDER TODAY

In the meantime, if you are in need of a supply of the current brochures to carry you over until the printing of our new ones... Please contact me [bob@cavern.com](mailto:bob@cavern.com) and I will be happy to get them shipped to you.



**Insurance Webinar - March 11th at 11:00 AM Central Time**

***Not My Claim - Techniques in Risk Transfer***

(E-Blast at a later date to give log on / call in details)

# NCA Insurance Column - NCA members' resource for insurance information, news, education and industry hilarity!

## Flirting With Trouble: Office Romances Can Prove Costly

– This month's article was taken from *BusinessNewsDaily.com*. Considering many NCA members, myself included, are romantically linked with our co-workers; I thought it might be interesting to read how other industries feel about romance at work. Happy Valentines Day!!! :) Happy Valentines Day!!! :)

When co-workers mix business with pleasure, it's important for employers to take note. Whether it's a drop in workplace morale or a sexual harassment lawsuit, office romances have the potential to cause big trouble for businesses of all sizes. Dianne Shaddock Austin, president of [Easy Small Business HR](#), said there is a clear downside to colleagues getting involved in romantic relationships.

"All employers should be concerned about workplace romances," Austin told Business News Daily. "Minimally, because of the effect on employee morale and ultimately because of the potential legal issues."

Office relationships are something a large number of employers are faced with. Research from the Society for Human Resource Management revealed that 43 percent of HR professionals reported romances in their workplaces. While all [office romances](#) have the potential to cause problems, those that involve a supervisor and one of their subordinates can have the largest ramifications. [\[6 Ways to Handle Annoying Co-Workers\]](#)

Areva Martin, managing partner of the Los Angeles-based law firm [Martin & Martin LLP](#), said in those situations there can be appearances of favoritism when it comes to work assignments and pay raises, which can negatively affect an entire office.

"There is a feeling (among other employees) that that individual cannot be fair or objective in making decisions if they have some kind of personal relationship," Martin said of a manager who is dating one of their employees. "It can be very problematic for an employer." In addition, when that relationship comes to an end there are huge possibilities for [sexual harassment](#) lawsuits from the subordinate. "The employer might be facing strict liability in terms of a civil claim," she said.

Harley Storrings, a labor and employment attorney with [Arnstein & Lehr](#), said assertions of sexual harassment can come up even when a relationship is between two employees that don't report to each other.

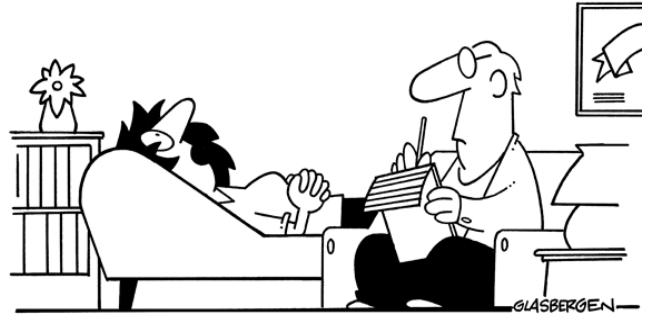
"Invariably, most relationships will come to an end and there could come a point where one person wants the relationship to continue and the other person doesn't," Storrings said. "Sooner or later, unwanted advances could create a hostile work environment claim, so you need to be very careful there." In addition to the legal consequences that could arise, Austin said office relationships can have an overall negative impact on the workplace.

"Office romances that end badly can spill over into the daily work environment," Austin said. "Employers may find themselves dealing with issues of decreased productivity, or mediating between employees who are no longer working collaboratively with each other."

Austin said workplace relationships may also [spur gossip](#), rumors and innuendo, which can be disruptive to the office and can negatively impact the reputation of the company if customers or clients are exposed to it. She said the same activity can make the affected couple feel harassed, which can lead to workplace harassment or bullying charges from them. Additionally, there is the potential for employees to seek out employment elsewhere when relationships come to an end. "Employers risk losing strong employees who feel that they can no longer work at the company because of the breakup," she said.

Margaret Fiester, manager of the [Society for Human Resource Management's HR Knowledge Center](#), said while an employer's first inclination might be to forbid all office romances, she said that probably isn't very realistic. "I think to ban it entirely would be awfully hard to enforce," Fiester said. "I think, though, you do need to have a clear-cut policy on workplace romance."

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"I'm involved in a passionate office romance.  
I'm in love with the coffee machine."



The Society for Human Resource Management research found that office romance policies are becoming more and more prevalent. The study discovered that in 2013, 42 percent of employers had a written or verbal policy on workplace romances, almost twice the number that had a policy in 2005.

Storrings agreed that all employers, regardless of size, should have a formal policy on office relationships that include what is allowed and what the consequences are if the rules are broken. He said he advises his clients that the first part of any such policy needs to be that the relationship, whether it is between a supervisor and subordinate or just two employees, needs to be disclosed to the employer.

"The employer should also reserve the right as to whether or not any type of employment action needs to be taken as a result of the relationship," Storrings said. "Whether that be transferring one of the employees to a different division or even termination." Storrings said the key to any office romance policy is clearly defining fraternization and what is and isn't allowed.

"There is always a concern you could go too far in what you prohibit so that you actually affect the rights of employees to engage in certain activities," he said. "You don't want to go to that level because that could always bring up a claim with the National Labor Relations Act." Storrings referred to a 2009 case in which employees sued their employer because they said their fraternization policy, which only prohibited employees in engaging in out-of-office activities, violated their rights.

"The problem is how does the court construe what you intend to mean, unless you specifically define it," he said. "You have to be careful how you craft these things, and make sure you give a pretty thorough explanation, so you don't go too far." Among the actions Austin would ban romantically involved employees from partaking in include romantic or sexually explicit conversations, open displays of affection, such as hugging, kissing, touching, blowing kisses and winking, and romantic rendezvous on office property.

Martin said she would advise companies to take the lead in creating office romances policies, rather than waiting to deal with them when they come up. "Companies should have policies in place and there should be a lot of training on them," she said. "Particularly sexual harassment training, because oftentimes employees don't know of the liability that can potentially arise from office romances and how disruptive and harmful they can be in the workplace." Fiester said companies that do have a policy in place need to be sure it's enforced consistently at all levels of the organization.

"If it is your CEO (that's in violation), the same rules should apply to him," Fiester said. "Otherwise that is just going to kill morale and nobody is going to follow the policy." Storrings said if a policy isn't applied consistently, the employers are also opening themselves up to [potential lawsuits](#). For example, he said employers should adopt a uniform policy on what to do when relationships aren't openly disclosed.

"If it is going to be termination, then every single time you need to be prepared to terminate the employee," he said. "If it is going to be a disciplinary process, then just be consistent."

While many small businesses may think office romance policies aren't necessary, Martin believes they are the ones who can benefit most from it. She said no business is too small not to be worried about liability.

For (small businesses) a lawsuit can be devastating because of the cost of defending it," Martin said, adding that big companies probably have more insurance or financial resources to fight a sexual harassment claim should it arise. "It is probably even more prudent for small businesses to be concerned and proactive."

## **I got it from the Internet, so it must be true...**

**Woman attacks boyfriend for not giving a gift.** Kierra Reed of Ohio allegedly attacked her boyfriend over his failure to get her a Valentine's gift, and was arrested on a charge of menacing. Her poor boyfriend was so frightened that he barricaded himself in a room to hide from her. But that didn't stop Reed. According to the police report, she got a knife and started stabbing the door.

**Contact Us:** If you have any comments, questions or suggestions for the NCA Insurance Column

**Heather Ginn**

Insurance Committee

haginn@caverntours.com

# Affiliate of the Month

## WEB PRINTING CONNECTION

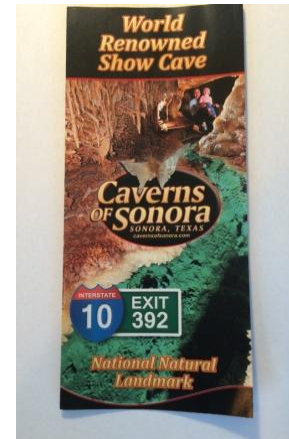
### Low Cost Cave Brochures

**What we do....** find a printer for your brochure that will have the lowest possible cost

give you the contact information for that printer

help you work with that printer during the production of your brochure

we specialize in printing cave brochures and other tourism brochures



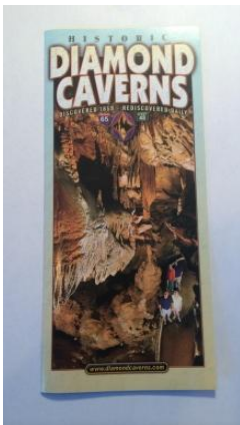
#### How do we find a low cost printer?

We currently quote with 10 printers for cave brochures

We know from experience that these printers have low costs for brochures

the printers we work with don't charge us a sales commission

also, most of these printers give us discounted quotes



**All we ask is a chance to quote on your next brochure**

#### Do's and don'ts for designing your brochure

use a designer with experience in designing tourism brochures. Try Gary Berdeaux of Diamond Caverns. If Gary is too busy, I can help you find a designer.

final size should be 4 x 9

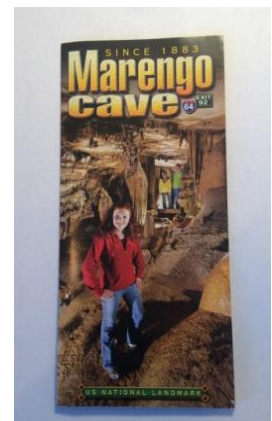
paper grain should run the 9" way to keep it from bending forward in the tourism rack

use plenty of photos with good lighting

get ideas from other cave and tourism brochures

consider using a gloss coating if printed on a sheet fed printer

convert your creative to PDF files to lower your cost

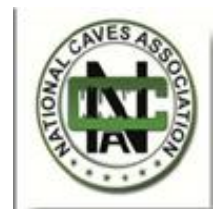


**Dick Gannon, President**

**Web Printing Connection, Inc.**

11706 Trails End CT, Fort Wayne, IN 46845 260-637-4037

[dgannonwebprint@comcast.net](mailto:dgannonwebprint@comcast.net)



**Member**



# From Deep Down In The Archives...



Frank Hurley - Ohio 2004



Henne & Roger Lefebvre - Tennessee 2001



Judy Turilli - Bermuda 1998



## MARK YOUR CALENDARS!

- **Tucson Gem and Mineral Shows 2015**, Tucson, Arizona, January 31 - February 15, 2015
- **NCA Mid-Winter Board of Directors Meeting**, Renaissance Airport Hotel, St. Louis, Missouri, March 2 - 4, 2015
- **NCA Webinar - "Not My Claim-Techniques In Risk Transfer,"** March 11, 2015, 11 AM Central
- **23rd International Karstological School & 50th Anniversary International Union of Speleology (UIS)**, Postojna, Slovenia, June 15 - 20, 2015
- **NSS Convention 2015**, Waynesville, Missouri, July 13 - 17, 2015
- **NCA Convention 2015, (50<sup>th</sup> Anniversary)** Host: Cave of the Mounds, Blue Mounds, Wisconsin, September 21 - 25, 2015
- **NCKRI -The Sinkhole Conference**, Rochester, Minnesota, October 5 - 9, 2015
- **IGES/SSS 2015**, Sevierville, Tennessee, November 1 - 5, 2014 & Pigeon Forge, Tennessee, November 2 - 6, 2014
- **IAAPA 2015**, Orlando, Florida, November 16 - 20, 2015
- **Tucson Gem and Mineral Shows 2016**, Tucson, Arizona, January 30 - February 14, 2016
- **NCA Mid-Winter Board of Directors Meeting**, Renaissance Airport Hotel, St. Louis, Missouri, February 22 - 24, 2016
- **NSS Convention 2016**, Ely, Nevada, July 17 - 23, 2016
- **NCA Convention 2016**, Host: Squire Boone Caverns, French Lick, Indiana, September 19 - 23, 2016
- **IAAPA 2016**, Orlando, Florida, November 8 - 11, 2016
- **Tucson Gem and Mineral Shows 2017**, Tucson, Arizona, January 28 - February 12, 2017
- **NCA Convention 2017**, Host: Mark Twain Cave, Hannibal, Missouri (Dates TBD)
- **IAAPA 2017**, Orlando, Florida, November 14 - 17, 2017

### Got News?

Please make sure you let Bob Holt know when you have news to share with the membership regarding you and your cave. It is the goal of the NCA office to produce more issues of Cave Talk and this can only happen when you help with the sharing of your news. Please send your articles, photographs to [bob@cavern.com](mailto:bob@cavern.com).

### March 2015 Cave Talk Deadline

Please have all articles to Bob Holt no later than February 15. Thank you.

## Cool Features



In addition to the chocolate covered cavern walls, you can see an old World War II fallout shelter. The shelter still has enough food and supplies to feed 15 people for 6 weeks! There are many Lava-sicles that you can see from the ceiling and lava stalagmites on the ground. For a darker twist on your visit, it's quite possible that you may see bones within the cave. Not human bones, but cow bones. The nearby slaughterhouse used to dump cow-bones in the cave as a disposal site. Fortunately the property owner personally removed over 17,000 pounds of the bones himself. It took him nine months, but he got it done. What a champ!



# Hana Lava Tubes

Visitors to Maui who have done their homework may know that its biggest volcano presents one of the largest craters in the world, while one of its residents, Donald Dettloff of [Haiku](#), owns the vastest collection of surfboards on the globe. It's been voted the "Best Island in the World" over 16 times by Conde Nast Traveler, been dubbed the third best place in the world to whale watch, and possesses 11 of the planet's 13 identified climate zones.

Add another world record to the list: Its remote eastern coast boasts **the 18th largest lava tube on Earth**—and you can explore its awesomeness on the [Road to Hana](#).

## In Brief

Presenting an accessible cinder walkway, a third of a mile of adventuring (though the tube is believed to be much larger), and "ceilings" rising more than 40 feet, the Hana Lava Tubes provides **a unique, educational experience that'll be relished by the whole family.**



## What to Love

Keiki—and, let's be fair, a great number of adults—will be delighted to find the geologic strangeness within the tube, from **nitrogen-eating bacteria** to “**lava falls**” (in sum, lava that's been frozen mid-fall). The unlit path through the tube



adds to its eeriness (no need to stress: flashlights are provided) while its rich past is practically felt in its energy: The parcel upon which the tube system sits was once the graveyard of a slaughterhouse; a twenty-year stretch saw more than 17,000 pounds of bovine remains.





While its owner and operator—Chuck Thorne of Maui Cave Adventures, who purchased the spot in 1996—has removed most of the bones, some parts can still be found, adding to the tubes' overall outlandishness. Evidence also remains of its designation as a fallout shelter and the role Ka'eleku played in ancient Hawaiian history.



# Hana Lava Tube

1. Hawaii,
2. USA,
3. North America

**Top choice** in *The Road to Hana*  
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Who's afraid of the dark? Test yourself at the end of this underground walk by switching off your flashlight. Eerie! One of the odder sights on the Road to Hana, this mammoth cave was formed by ancient lava flows some 960 years ago. It once served as a slaughterhouse – 17,000lb of cow bones had to be removed before it was opened to visitors. It's the 18th largest lava tube in the world and the largest by far on Maui.

Winding your way through the extensive cave, which reaches heights of up to 40ft, you'll find a unique ecosystem of dripping stalactites and stalagmites. You might see signs reading 'Nuclear Fallout Shelter,' but it's no longer needed for this purpose and can only sustain 15 people for six weeks anyway – the owner has stockpiled enough food for himself and 14 others. The journey is well signed, takes about 45 minutes, and is a perfect rainy-day activity. Admission includes flashlights and hard hats. If you want to lose the kids, an adjoining **botanical maze** made from red ti plants is no extra charge beyond the ticket price. Hana Lava Tube is half a mile from the Hana Hwy.