

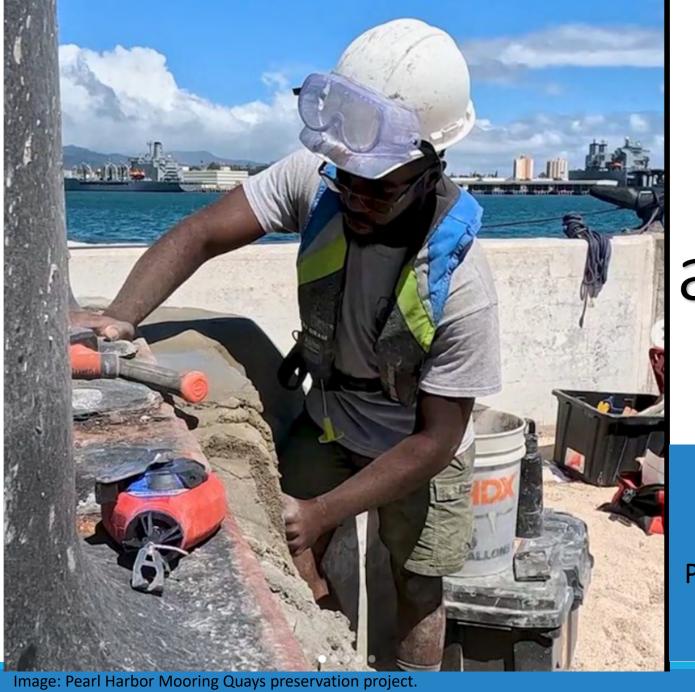
Heritage Documentation as a Preservation Tool

Aloha! We will begin shortly.

Today we will be using the Chat function to receive your input.

Please enter your name and location to check in.

Image: Pearl Harbor Mooring Quays preservation project. Photo courtesy National Park Service.



Heritage Documentation as a Preservation Tool

Tuesday, February 27, 2024
10:00 to 11:30 a.m. HST
Presented by Historic Hawai'i Foundation
and National Park Service

Image: Pearl Harbor Mooring Quays preservation project. Photo courtesy National Park Service.

HISTORIC HAWAI'I FOUNDATION



Celebrating 50 Years of Preserving Hawai'i's Places A statewide non-profit advocacy organization, **Historic Hawai'i Foundation** encourages the preservation of historic buildings, sites, structures, objects and districts relating to the history of Hawai'i.

We help people save Hawai'i's historic places.

www.HistoricHawaii.org



The National Park Service preserves unimpaired the natural and cultural resources and values of the National Park System for the enjoyment, education, and inspiration of this and future generations. The Park Service cooperates with partners to extend the benefits of natural and cultural resource conservation and outdoor recreation throughout this country and the world.



American Planning Association **Hawaii Chapter**

Creating Great Communities for All

The American Institute of Certified Planners (AICP) is the APA's professional institute providing recognized leadership nationwide in the certification of professional planners, ethics, professional development, planning education, and the standards of planning practice.

https://hawaii.planning.org/

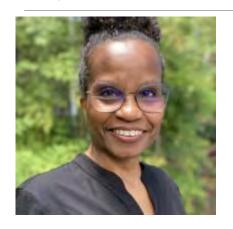


The AIA is the voice of the architectural profession and the resource for its members in service to society. Based in Washington, D.C., the American Institute of Architects (AIA) has been the leading professional membership association for licensed architects, emerging professionals, and allied partners since 1857.

AIA Honolulu is a Chapter of the AIA representing and serving members on the island of Oʻahu, Hawaiʻi, Kauaʻi and Lānaʻi. Within these islands, AIA Honolulu represents and serves over 800 individual member architects, associates, and allied design professionals.

https://www.aiahonolulu.org/

Speakers



Elaine Jackson-Retondo, Region Preservation Partnerships and History Programs Manager, Interior Regions 8, 9, 10 and 12 in the National Park Service Pacific West Regional Office, earned her Doctorate in Architectural History and Masters of Architecture from the University of California, Berkeley and her Bachelor of Architecture from the University of Notre Dame in South Bend, Indiana. She has worked in the National Park Service since 2002.



Scott Keyes is the Chief of the Heritage Documentation Programs (HDP) at the National Park Service. The programs consist of the Historic American Buildings Survey (HABS), Historic American Engineering Record (HAER), and Historic American Landscapes Survey (HALS), which document historic properties for incorporation in the permanent collections of the Library of Congress. Scott holds a BA in History from UCLA and a Masters of Architecture from the University of Toronto.

Speakers





Jay Sturdevant is an archaeologist and the Integrated Resources Program Manager for Pearl Harbor National Memorial and Honouliuli National Historic site. Mr. Sturdevant previously served as an archaeologist for 22 years at the National Park Service's Midwest Archeological Center. In addition, he has also served at the NPS Southeast Archeological Center, Dinosaur National Monument, and Knife River Indian Villages National Historic Site.

Matt McDermott is an archaeologist and Project Manager with Cultural Surveys Hawaii, Inc., where he is the Principal Investigator for large-scale cultural resource management projects including the Honolulu Authority for Rapid Transportation's (HART) Honolulu Rapid Transit Project (HRTP) along Oʻahu's south shore, and the Howard Hughes Corporation's development of its 60.5-acre Ward Neighborhood Master Plan area in Kakaʻako, Oʻahu. He has a Master's degree from the University of Hawaii at Mānoa.

Speakers



Lilia Merrin is from Wailua, Puna, Kauaʻi. She is a Cultural Research Specialist, Field Assistant and Alakaʻi with Nohopapa Hawaiʻi, working on various Wahi Kūpuna Stewardship projects across the Pae ʻĀina from Hawaiʻi Island to Papahānaumokuākea. She specializes in Ethnohistorical Research, Writing, and Community Ethnography. She also works as a Wahi Kūpuna Internship Program Instructor, Program Coordinator, and Communications Officer for the non-profit Huliauapaʻa. Ms. Merrin has an M.A. in ʻIke Hawaiʻi (Hawaiian Studies) and a B.A. in ʻIke Hawaiʻi and ʻŌlelo Hawaiʻi (Hawaiian Language) from Hawaiʻinuiākea at the University of Hawai'i at Mānoa.

Learn the purpose and applications for documenting historic properties and heritage sites

ABOUT THIS COURSE

Receive an overview of heritage documentation programs and tools

View case study examples of documentation projects in Hawai'i

Interaction

Chat Box: use the <u>chat</u> to ask a question at any time. We will address questions after the presentation is finished.

What is Documentation?

ELAINE JACKSON-RETONDO, NATIONAL PARK SERVICE

Intentional collection of information about historic, cultural or heritage resources in the service of preservation, stewardship, the historical record, education and interpretation.







Top: Hanapēpē Salt Pans, Kaua'i. Bottom Left: Wai'oli Bridge, Kaua'i. Bottom Right: Christ Memorial Episcopal Church, Kīlauea, Kaua'i. Photographer: Elaine Jackson-Retondo

Documentation Tools

- Photographs
- Written description
- Sketches
- Architectural drawings
- As well as more technically advanced methods of capturing spatial, physical and visual information such as LIDAR



A woman and child posed in front of 'Iolani Palace. Circa 1922, Unknown Photographer, Hawai'i Volcanoes National Park Museum and Archive Collection Thomas Boles Collection (HAVO 20724), NPS NPGallery Digital Asset Management System.

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- Architectural drawings
- As well as more technically advanced methods of capturing spatial, physical and visual information such as LIDAR



The trim is concrete block. The building measures 140' by 100', with the long dimension facing King Street. It is two stories high, above a partially raised basement. It is ornamented by six towers, the central towers rising to a height of 76 feet.

From a large central hall on the main floor, a fine staircase of koa wood leads to the upper story. Throughout the building, doors and paneling are of rare woods—koa, kamani, kou, and ohia, as well as the more usual walnut and white cedar.

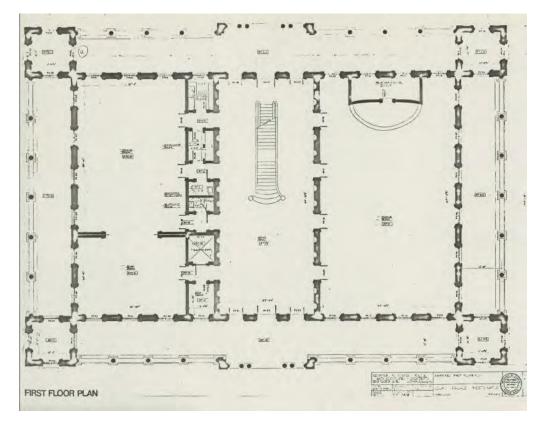
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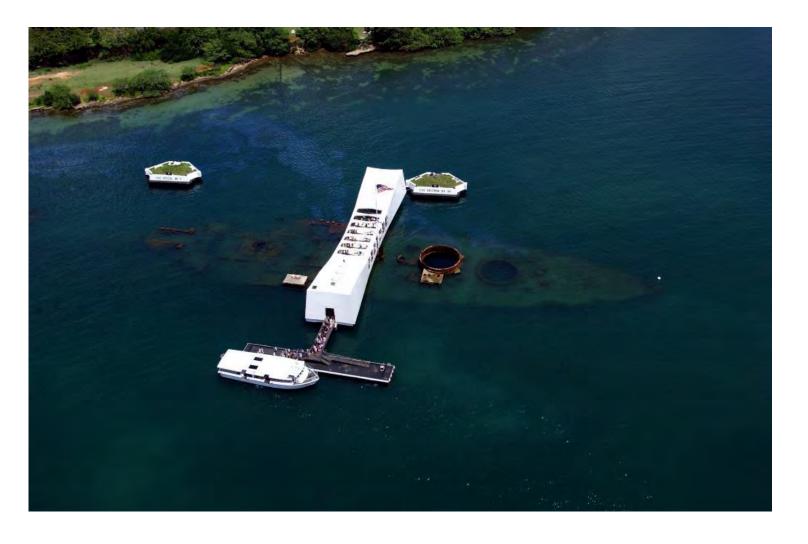
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(excerpt from NHL nomination)

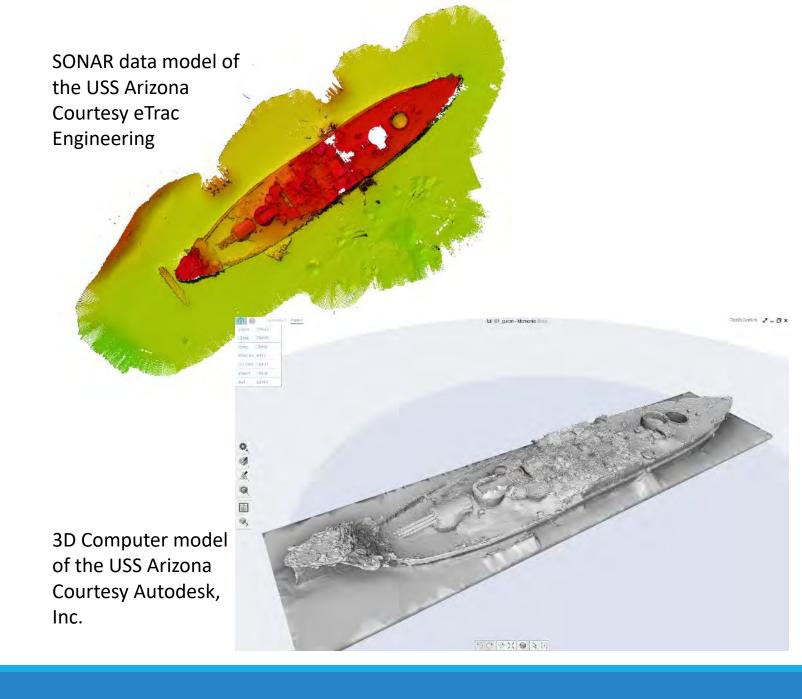


- Photographs
- Written description
- Sketches
- Architectural drawings
- As well as more technically advanced methods of capturing spatial, physical and visual information such as LIDAR



USS Arizona Memorial, Pearl Harbor, Aerial view (Photo courtesy, NPS)

- Photographs
- Written description
- Sketches
- Architectural drawings
- As well as more technically advanced methods of capturing spatial, physical and visual information such as LIDAR







Koukou'ai Bridge, between Haiku and Kaipahulu, Hāna, Maui County, HI, HABS HAER HALS Collection, Library of Congress, HAER HI 75-145 (photo credit, NPS.J. Lowe)



KAUKAU`AI BRIDGE HAER No. HI-70 (Page 7)

PART II. ARCHITECTURAL AND ENGINEERING INFORMATION

A. General Statement:

1. Construction type:

Single span, reinforced-concrete open-spandrel arch-deck bridge.

Condition of fabric:

The overall condition of the bridge is fair. The concrete is now spalling and the steel reinforcing bars are exposed and rusted in sections, particularly at the underside of the structure.

B. Description:

Overall Dimensions:

number of spans: one total length of roadway: 54*-6" max. span(s): 48*-6" overall width: 16*-6" roadway width: 15*-2"

height above stream: varies (max. 34'-0")

Substructure:

The ends of the reinforced-concrete arch rings are cast directly on the bedrock shelf of the gulch. The wing-walls and abutments are constructed from concrete rubble masonry (basalt or "lava-rock"). The pattern of the twelve-inch-wide wood boards used to form the concrete remains evident at the underside of the bridge.

Superstructure

The bridge is a single-span reinforced-concrete open-spandrel arch-deck structure. The superstructure consists of three parallel open-spandrel arches. Each arch ring varies between 18"- 36" deep and is 18" wide; and each supports a series of 18" square reinforced-concrete columns supporting the bridge deck. The arch rings are laterally braced by three 12" x 18" reinforced-concrete struts.

Floor/decking

Asphalt on a reinforced-concrete deck (1'-6" thick).

Paranet

Reinforced-concrete parapets, 3'-0" high, with inset panels and a slightly peaked concrete rail cap.

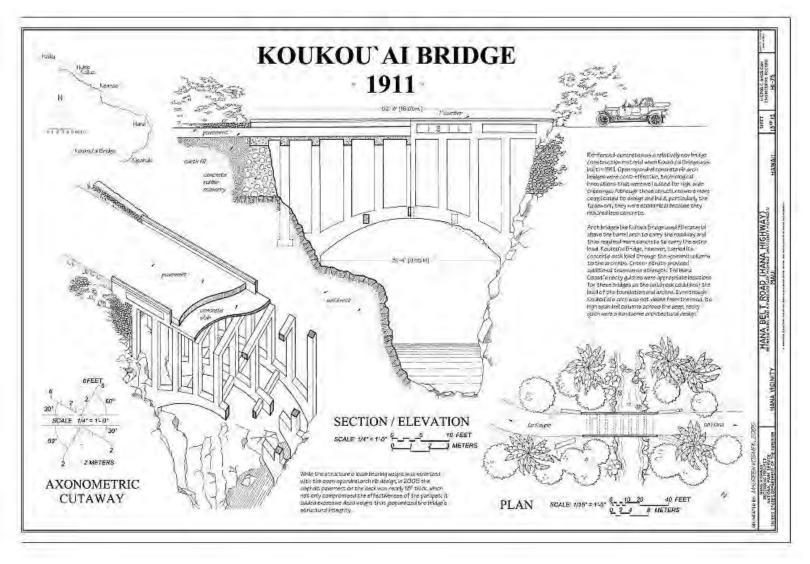
Other features:

"AD 1911" is incised on the outer face of the downstream (south) parapet.

Koukou'ai Bridge was the first open-spandrel arch bridge on Maui and is an excellent example of early twentieth century bridge construction in the Hawaiian Islands.

Koukou'ai Bridge, between Haiku and Kaipahulu, Hāna, Maui County, HI, HABS HAER HALS Collection, Library of Congress, HAER HI 75-145 (photo credit, NPS./J. Lowe); data sheet from HAER report written description.





Koukou'ai Bridge, between Haiku and Kaipahulu, Hāna, Maui County, HI, HABS HAER HALS Collection, Library of Congress, HAER HI 75-145 (photo credit, NPS./J. Lowe); measured drawing sheet from HAER report.

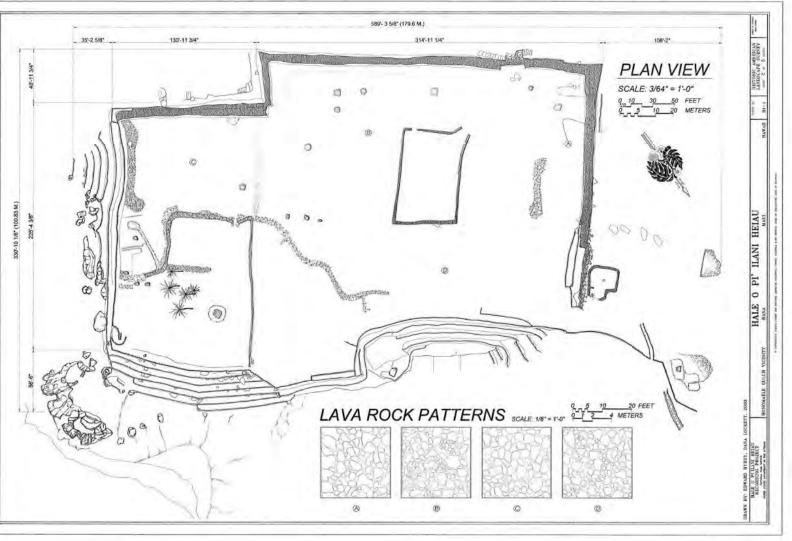






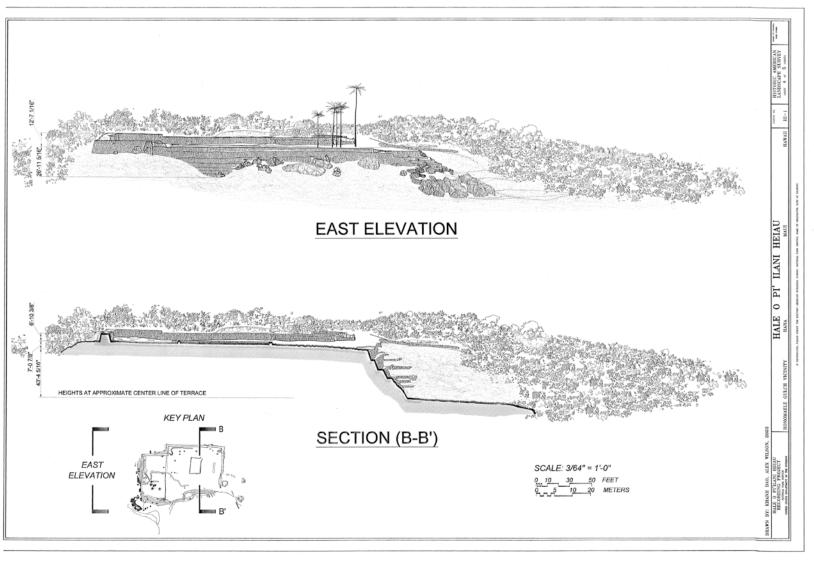
Pi'ilanihale Heiau, Kahanu Garden, near Hāna, Maui Island, (Photo credit, Joel Bradshaw 2013 Creative Commons CC0 1.0 Universal Public Domain Dedication)





Left, Pi'ilanihale Heiau, Kahanu Garden, near Hāna, Maui Island, (Photo credit, Joel Bradshaw 2013 Creative Commons CC0 1.0 Universal Public Domain Dedication); Right, Measured Drawing of Pi'ilanihale Heiau,, HABS HAER HALS Collection, Library of Congress, HALS HI-1





Left, Pi'ilanihale Heiau, Kahanu Garden, near Hāna, Maui Island, (Photo credit, Joel Bradshaw 2013 Creative Commons CC0 1.0 Universal Public Domain Dedication); Right, Measured Drawing of Pi'ilanihale Heiau,, HABS HAER HALS Collection, Library of Congress, HALS HI-1

Why Document?

WHY DOCUMENT

- Historic designation
- Monitor condition
- Preservation treatment, such as rehabilitation or restoration
- Education and Interpretation
- Regulatory purposes







Mauna Kea Adz Quarry, Island of Hawai'i (photo credit NPS/E. Jackson-Retondo).

WHY DOCUMENT

- Historic designation
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Upper left, Hāpaiali'i Heiau, before restoration.

Bottom left, Hāpaiali'i Heiau restoration complete.

Upper right, Kealakehe High School and Ke Kula o Ehunuikaimalino, a native Hawaiian Charter School students working alongside cultural and archaeological specialist to compose plane table maps of Kapuanoni Heiau.

Photos courtesy Kamehameha Investment Corporation.

This project was undertaken . . . in order to meet the Navy's obligation to comply with the National Historic Preservation Act and recommendations by the Hawaii State Historic Preservation Officer prior to demolition of historic housing units.

Excerpt from Historic American Buildings Survey report

WHY DOCUMENT

- Historic designation
- Monitor condition
- Preservation treatment, such as rehabilitation or restoration
- Education and Interpretation
- Regulatory purposes



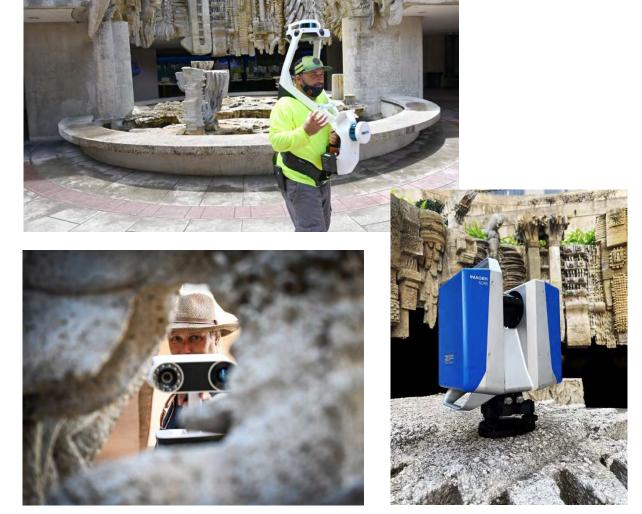


CENTER DRIVE STREETSCAPE FROM B AVE IN FRONT OF FACILITY 209, VIEW FACING NE. - U.S. Naval Base, Pearl Harbor, Housing Area 1, Pearl City, Honolulu County, HI, HABS HI-347-4, Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA http://hdl.loc.gov/loc.pnp/pp.print

What Type of Documentation?

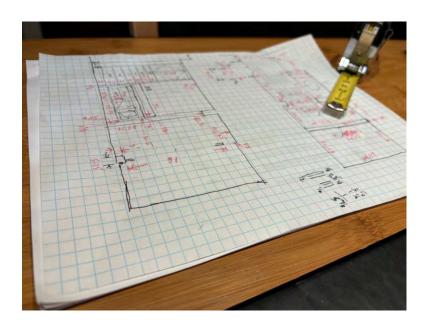
DECIDING LEVEL, MEANS, AND FORMAT OF DOCUMENTATION CAN DEPEND ON:

- the type of resource being documented;
- the intended purpose or reason for the documentation;
- the skill level of the person conducting the documentation;
- the available tools and means for creating the documentation;
- and of course, cost.



Cascade Fountain, Prince Jonah Kūhiō Kalaniana'ole Federal Building and U.S. Courthouse (PJKK), downtown Honolulu. Photos courtesy Sam O. Hirota, Inc.

IT DOESN'T HAVE TO BE FANCY OR A FIFTY-PAGE DOCUMENT







IT DOESN'T HAVE TO BE FANCY OR A FIFTY-PAGE **DOCUMENT**

Louisiana INDEX NUMBER		COUNTY St. James Parish	TOWN OR VICINITY 175		
			Convent vic. 34		
		MONUMENT Uncle Sam Flantation	11937 79		
REPRESENTED IN NEGATIVE FILE	1	HARS SURVEY NO. History: Built LA - 74 D.A. Tureaud. R.	abuilt 1849 after fire by		
PUBLISHED PHOTOGRAPHS	1	Samuel Fagot, Present owner: Hymel Steb- bins, Inc. Pro- Description: Main bldg: 2 story, brick, stucon, Hip shingle roof, Encircled by porches on both floors			
P(IIILISHED DRAWINGS	1.	wood railing, brick stu-	oco columns. 4 similar		
m. 1/1. (29)-	N-A	roof, shingle, Dove-co			
FN 40 (9)		References: Fred K. Forstall, N. G. Pimes-Reayune. Iyle Saxon, Federal Writer's Project. Court Records. Edw. T. Waldo. OVERTAKE LA FORTALION HOMES P 122-19-			
*** 0-#360		HISTORIC AMERICAN BUILDINGS SURVEY			

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PROPERTY

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REMOENCE

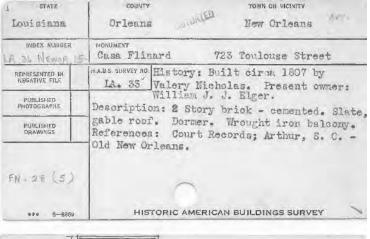
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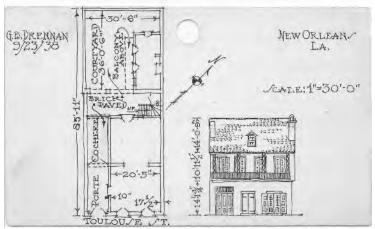
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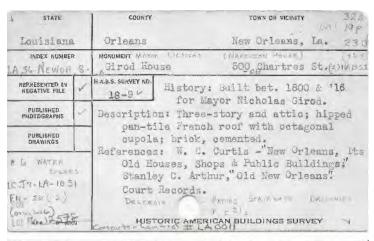
THE HELD

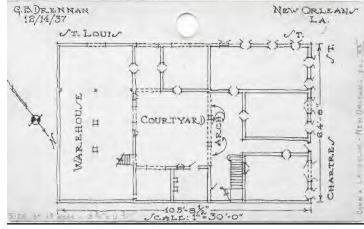
OVERVEER



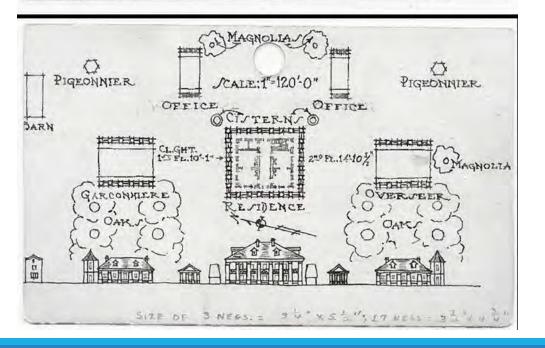




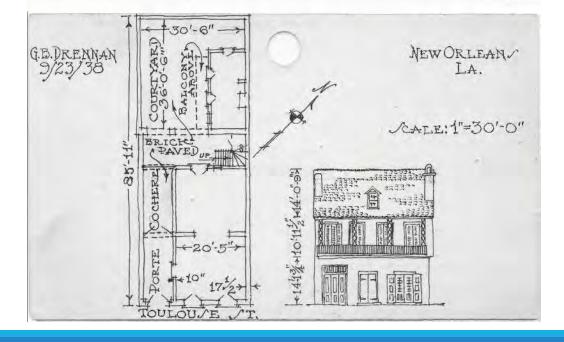




Louisiana		St. James Parish	TOWN OR VICINITY / MILE N. Convent vic.	175 30p	
INDEX NUMBER		MONUMENT Unole Sam Flantation			
REPRESENTED IN NEGATIVE FILE	1	LA - 74 D. A. Tureaud.	Rebuilt 1849 after fi	re by	
PUBLISHED PHOTOGRAPHS	V	Description: Main bldg: 2 story, brick, stuces. Hip shingle roof. Encircled by porches on both floor wood railing, brick stuces columns. 4 similar one-story buildings. Barn: 2 story brick. Gable			
PUBLISHED DRAWINGS	1 .				
57-LA- 1391-1	19	roof, shingle, Dove- roof. Shingle.	cote: 2 story brick. Pea	K	
FN - 40 (9)		References: Fred K. Forstall, N. O. Times-Picayune. Lyle Saxon, Federal Writer's Project. Court Records. Edw. T. Waldo. OVERDYKE LA PLANTATION HOMES, P 192-19			
*** 6—8369		HISTORIC AMERICAN BUILDINGS SURVEY			



Louisiana	Orleans New Orleans			
INDEX NUMBER	MONUMENT Casa Flinard 723 Toulouse Street			
REPRESENTED IN NEGATIVE FILE	HAAB.S. SURVEY NO. History: Built circa 1807 by IA. 33 Valery Nicholas. Present owner: William J. J. Elger. Description: 2 Story brick - cemented. Slate, gable roof. Dormer. Wrought iron balcony. References: Court Records; Arthur, S. C Old New Orleans.			
PUBLISHED PHOTOGRAPHS				
PUBLISHED DRAWINGS				
FN-28 (5)				
ero 6—8369	HISTORIC AMERICAN BUILDINGS SURVEY			



HABS/HAER/HALS What are they?

SCOTT KEYES, NATIONAL PARK SERVICE

The Heritage Documentation Programs (HABS/HAER/HALS)

The Heritage Documentation Programs (HDP) administer the **Historic American Buildings Survey (HABS)**, **Historic American Engineering Record (HAER)**, and **Historic American Landscapes Survey (HALS)**, which document historic properties through the creation of measured drawings, photographs, and historical reports. Documentation created through the programs is archived in the Library of Congress and is available to the public copyright free.



Historic American Buildings Survey
Chee Kung Tong Society Headquarters, HABS HI-40



Historic American Engineering Record
Haraguchi Rice Mill, HAER HI-3



Historic American Landscapes Survey Pu'uhonua O Hōnaunau, HALS HI-15

HABS/HAER/HALS and the NATIONAL HISTORIC PRESERVATION ACT

HABS was created in 1933 as a Works Progress Program (WPA) for unemployed architects.

The programs were later codified in the National Historic Preservation Act (NHPA).

Under Section 101 of the Act, the Secretary of the Interior is responsible for promulgating regulations that establish a uniform process and standards for documenting historic properties for incorporation into the national historic architectural and engineering records within the Library of Congress.

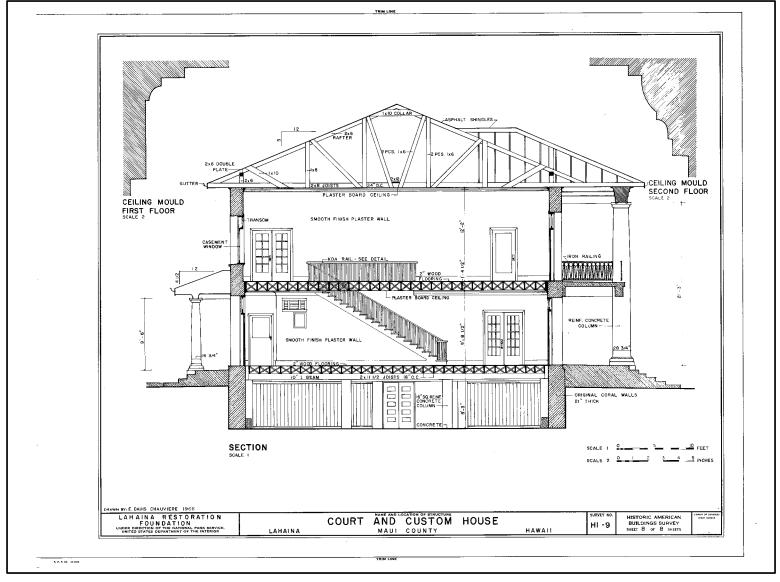
HDP develops and maintains these standards and guidelines.



President Lyndon B. Johnson signing the National Historic Preservation Act, 1966

Measured Drawings

Drawings in the collection consist of either as-built drawings, based on accurate field measurements, or reproductions of original drawings. HABS was created in 1933 as a Works Progress Administration (WPA) program for unemployed architects.



Old Maui Courthouse, HABS HI-9

Large-Format Photography

At present, all photographs in the HABS/HAER/HALS collection are captured on large-format film.

Large-format film is defined as a film with minimum negative dimensions of 4" x 5".

Heritage Documentation
Programs, however, is currently
working with the Library of
Congress to develop standards
for incorporating digital
photographs into the collection.



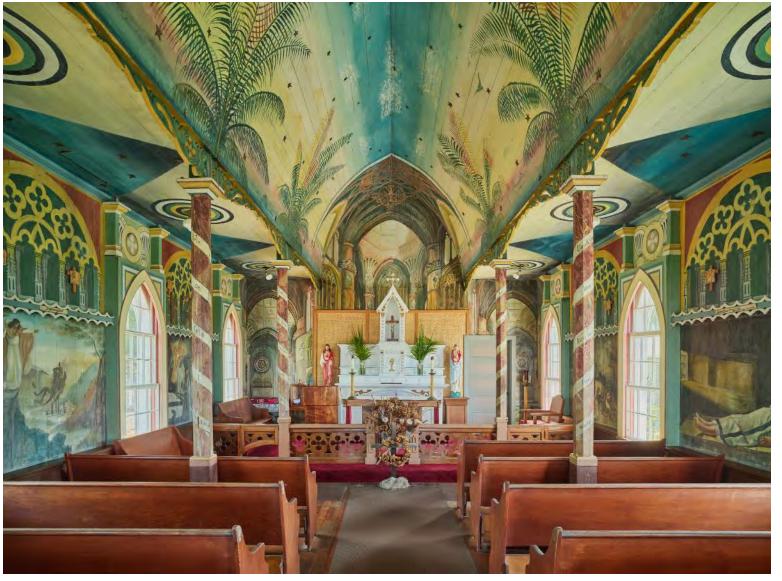
U.S. Naval Base, Pearl Harbor, Paint Shop & Rigging Loft, HABS HI-488

Large-Format Photography

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Large-format film is defined as a film with minimum negative dimensions of 4" x 5".

HDP, however, is currently working with the Library of Congress to develop standards for incorporating digital photographs into the collection.



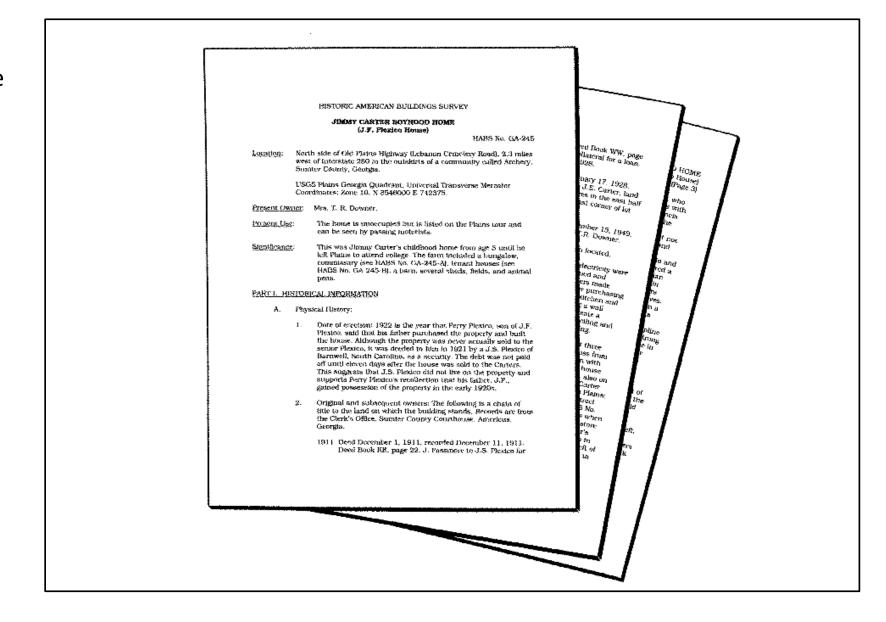
St. Benedict's Church, Hawai'i Island

Historical Reports

Drawings and photographs in the collection are traditionally accompanied by a historical report that that provides a physical description of the property and highlights its history and significance.

Historical reports can follow either standard outline or short formats based on the level of documentation being completed.

Templates for historical reports are available for download on the HDP website.

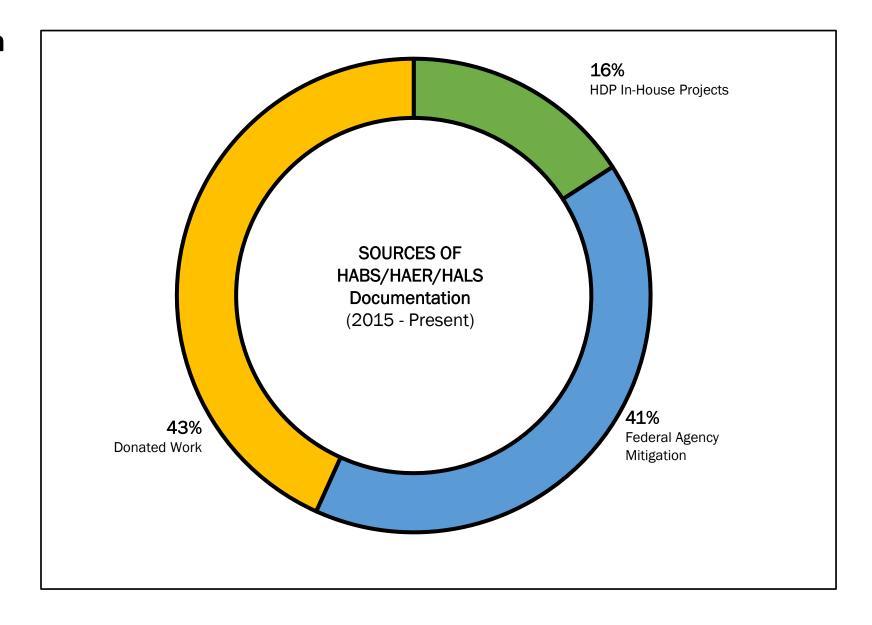


HABS/HAER/HALS Why use them?

Sources of Documentation in the HABS/HAER/HALS Collections

Documentation in the HABS/HAER/HALS collections comes from three primary sources: federal agency mitigation, HDP in-house projects, and donated work.

Of the three, donated work is currently the largest source of new documentation.



Creating a Permanent, **Publicly-Accessible Record**

All HABS/HAER/HALS documentation is archived in the Library of Congress.

There is currently documentation of over 45,000 properties in the collections. This includes more than:

- 70,000 Drawings
- 300,000 Photographs
- 250,000 Pages of History

All documentation is in the public domain. Most of the collection is

digitized and can be viewed online at:



https://www.loc.gov/pictures/collecti on/hh/

Main Reading Room, Library of Congress, HABS DC-351

Creating Baseline Drawings for Property Management

HABS/HAER/HALS documentation creates accurate architectural plans that can be used by property managers to preserve and rehabilitate the historic resources they manage.

This is particularly useful for management of vernacular buildings that have no existing plans, such as the Weir Farm National Historical Site in Connecticut.

Since there were no accurate plans of the house, the documentation created for the HABS/HAER/HALS collection is also serving as a baseline to plan a historically sensitive rehabilitation of the property.



Weir Farm, Burlingham House, HABS CT-255

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Weir Farm, Burlingham House, HABS CT-255

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Using Documentation to Reconstruct Historic Resources

When historic properties are destroyed in fires, earthquakes, or other disasters, HABS/HAER/HALS documentation can be used to accurately reconstruct the property.

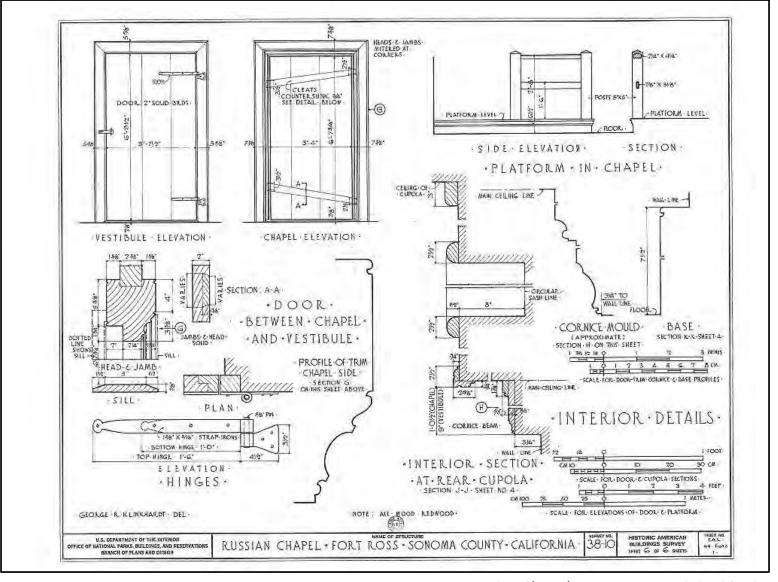
This early 19th century Russian Orthodox chapel in California, for example was destroyed by fire in 1970.

Since the chapel had been documented in the 1960s it was able to be reconstructed from the HABS architectural drawings and photographs.



Russian Chapel, Fort Ross, HABS CA-38-10

Using Documentation to Reconstruct Historic Resources



Using Documentation to Reconstruct Historic Resources

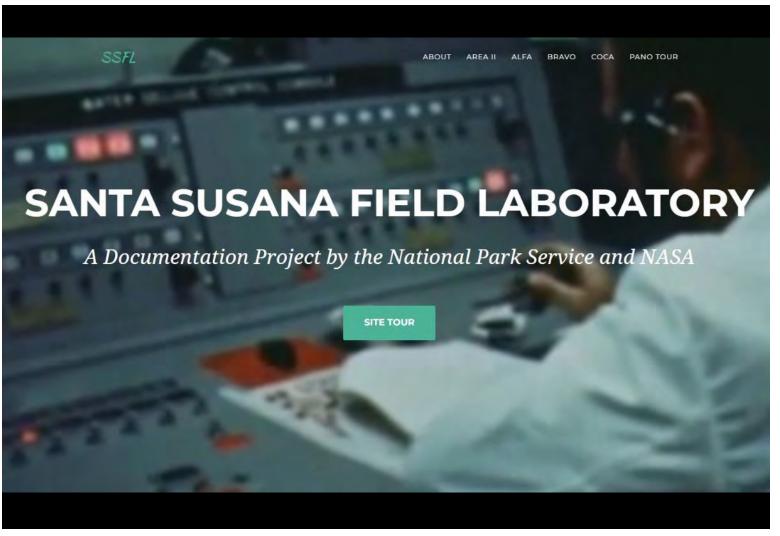


Russian Chapel, Fort Ross, HABS CA-38-10

Interpretation and Interactive Digital Products

Many field surveys now utilize laser scanning, photogrammetry, and other digital technologies to accurately measure historic sites.

In addition to generating field measurements for traditional HABS/HAER/HALS documentation, the resulting point cloud data, 3D models, and pano-photography can be used to create virtual tours, interactive digital models, and other web-based exhibits like the Santa
Susana Virtual Exhibit completed in collaboration with NASA.



Santa Susana Field Laboratory, HAER CA-2284

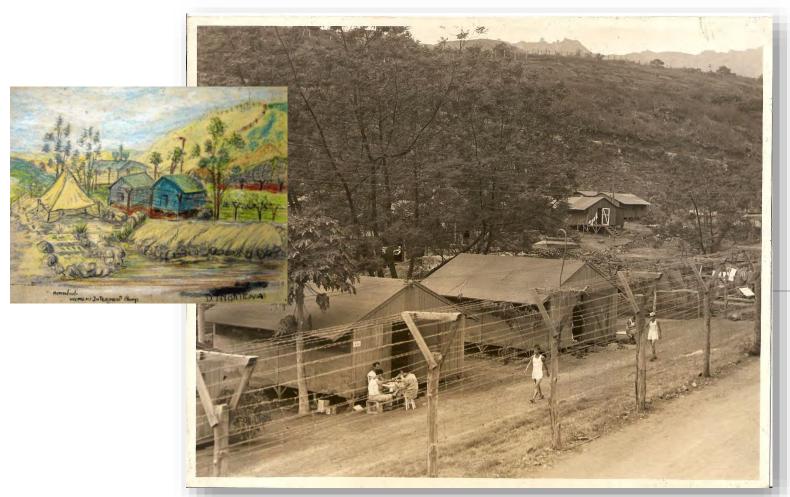
Documentation Example for Preservation

JAY STURDEVANT, NATIONAL PARK SERVICE

National Park Service
U.S. Department of the Interior

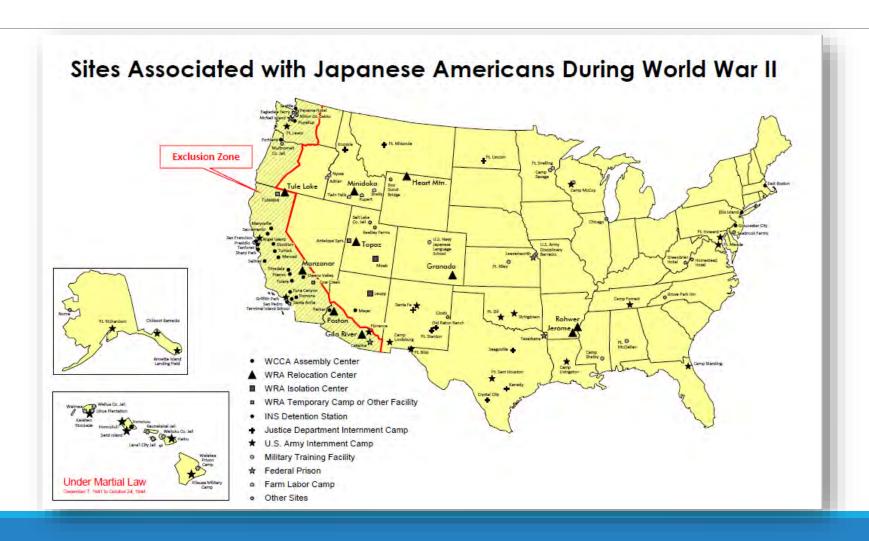
HONOULIULI NATIONAL HISTORIC SITE



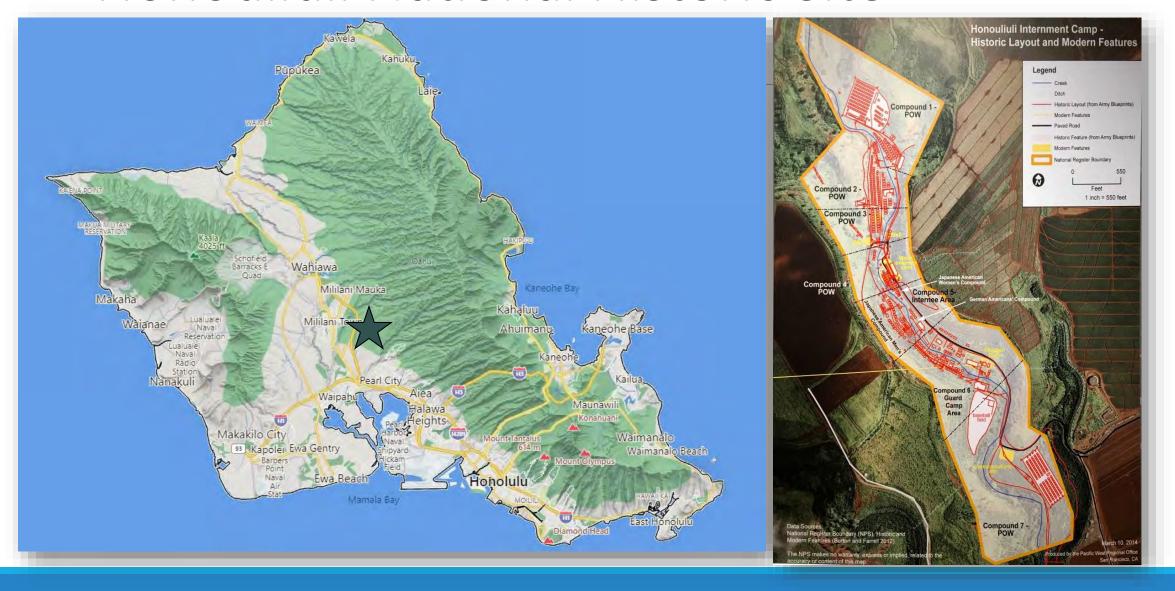


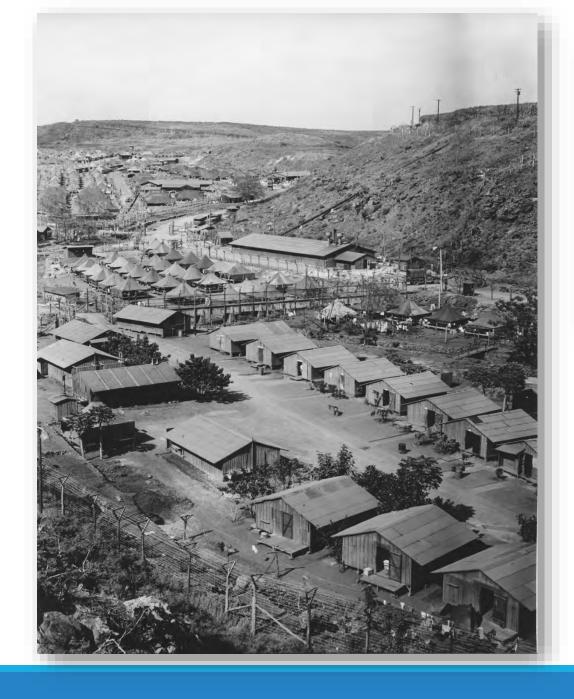


Executive Order 9066



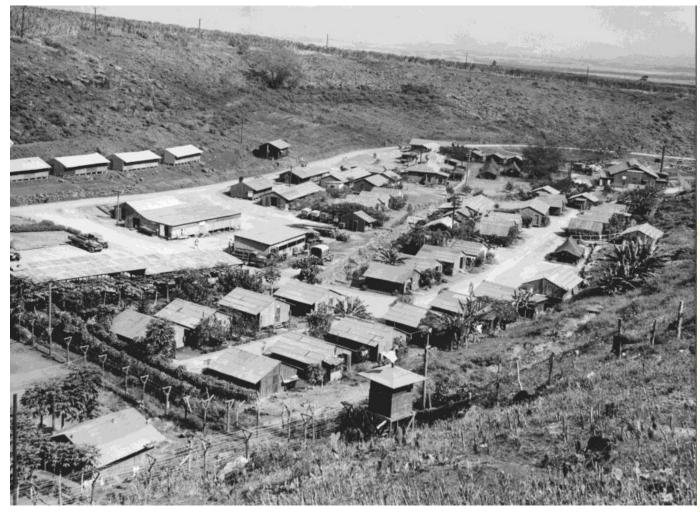
Honouliuli National Historic Site





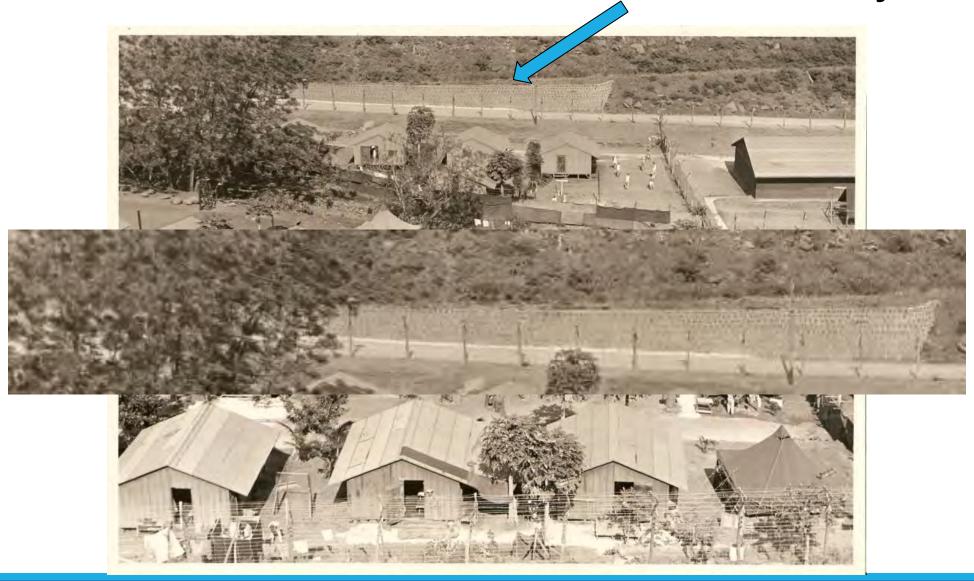








Stone and Mortar Wall Preservation Project







8 9 10 11 12 13 14 15 16 17 18 19



PORTION OF EXISTING WALL TO REMAIN; SUPPORT AS NEEDED DURING CONSTRUCTION

(N) 1 5" DIA SCH 40 S EEL PIPE LOCATED ONE STONE ABOVE GRADE AT ~ 24" O.C. (15 PIPES TOTAL)

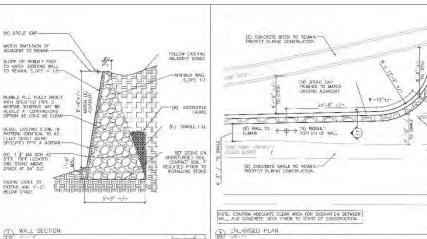
REMOVE ALL NUMBERED STONES PER THE DRAWINGS, EACH FACE STONE SHALE BY NUMBERED STONE SHALE BY NUMBERED SOLD ONE SHEET OR BACK, WITH A NON-WATTRE SOLD HE MARKER, IN A MANNER THAT WILL ALSO INDICATE THE CRIENTATION OF THE STONE (EG WHICH EDGE IS THE TOP EDGE). STORE REMOVED FACE STONES IN A LOGICAL NUMERICALY SECUENTIAL MANNER, ON SITE. NUMBERGE STONE DIAGRAM PROVIDED AS A REFERENCE AND RECOMMENDATION.

- F AN ALTERNATE ORGANIZATION METHOD IS PREFERRED, CONFIRM PLANNED NUMBERING AND MARKING SYSTEM WHITE CONFRACTING OF ICER PRIOR O MINLEMENTATION.
 CONTRACTOR SHALL PROTECT EXISTING WALL SECTIONS TO REMAIN FROM ANY
- CONTRACTOR SHALL PROTECT DISTING ALL, SECTIONS TO REWAIN FROM ANY PRINTING DAMAGE. IF REQUIRED TO PREVENT PROCESSIVE COLARSE OF ADJACENT WALLS TO REMAIN, SHORE UP THE WALLS, IF REQUIRED TO PREVENT SOLING, CIPS, OR CHIT'R "ADMACT TO EXTENSIVE STOY, INSTAIL PROTECTION." JUNES OVER EXISTING STORE FACES. TO EXTENSIVE STADES OF COMPLETION, ON A CO. PROVIDE PROTECT OF FROLET AT VARIOUS STADES OF COMPLETION, ON A CO.
- TO CONTRACTING OFFICER.



IS WORK WAS FREPARED OR UNDER MY SUPCEME

STONE PATTERN DIAGRAM PMIS #239446 REHABILITATE MORTARED STONE RETAINING WALL



FACING SIONE TO EXTEND WIN, 1'-0" BELOW CRADE

(N) GROUT CAP-

MATCH DIMENSION OF ADJACENT TO REMAIN SLOPE OF REBUILT FACE TO WATCH EXISTING WALL TO REVAIN. SLOPE ~ 1:5

RUST EXISTING S ONL IN PATTERN IDENTICAL TO A2.

- THE MORRAY FOR THE CUTTER ONE NON- OF MORRAY JOINT SHALL MOTON THE EXISTING MORRAY OF THE WALL TO REMAIN, MORRAY JOINT SAMENBOOKS, TEXTURE, AND FINISH TO MORRAY ORIGINAL ON ETHER SEE OF THE REMAIN OF MALL TO SE REPLACED, ANY FREENINGS IN COURTS HALL BE RESOLVED THROUGH ENFORMED OF A JOINT COLOR WORNING MONOR OWN THE PROJECT, THERE SHALL BE NO DISCERNABLE DIFFERENCE BETWEEN (E) MORTAR AND (N) MORTAR, ASSUME THAT ALL JOINTS SHALL BE STAINED OR TINTED TO MATCH ADJACENT EXISTING MORTAR COLOR.
- PROVIDED PARKASONS ARE FOR PLANNING FURPOSES, IN TILLD MEASUREMENTS OF ADJACENT WALL FLOORS, SLOPE, VIORNAY JOINT AND GAS TOM MONORS STAIN THE APPROVED FOR STAINING AND ASSOCIATED WALL SECTION DESIGN, BET SECTION 6.3.

 A FEFER TO SECTECHNICA. SERVICE BY MASA FLUIDICA & ASSOCIATES FOR SOMERWATION OF WALL SECTION DESIGN, BET SECTION 6.3.
- - HATHER OF EXPERIENCE A PROPER OF MAKE A TUBBLE AS ASSECTIONS THE COMMENDATION OF WAIL SECTION ESSENCE AS SECTION 6.3 GEORGENIACH REPORT OF A PROPERTO OF SECTIONS OF DAMPING THROW MAY FURTHER DAMPING IT REQUIRED TO PREVENT CONTRACTOR SHALL PROTECT ENSTRUM WALLS TO REWARD THROW MAY FROM MAY FURTHER DAMPING IT REQUIRED TO PREVENT PROCRESSOR COLLARS OF ASSECTION WALLS TO REWARD THROW THE WALLS IT SECURED TO PREVENT SOURCE OF THE PROPERTY OF TH

a. CONSTRUCT A SECTION OF THE NEW WALL AT LEAST FOUR HEET WIDE BY 5 FEET HIGH, INCLUDING FACING STONES. AND OBTAIN THE CONTRACTING OFFICER'S APPROVAL OF THE MOCK UP PRIOR TO COMMENCING FLIRTHER WORK, ALL WORK AND WATERIALS ARE NEW U.N.O.

(E) POST 10 REMAIN



THIS WORK WAS PREPARED BY UP OR HUNDER MY SUPPRAYUCH. GL MG

PMIS #239446 REHABILITATE MORTARED STONE RETAINING WALL 36 + 05



0

Recording inscriptions



Step 1: Identify What you Want to Record

- Carefully remove loose dirt and vegetation to make sure you can see the entirety of what you want to record.
- Inspect closely, sometimes inscriptions and impressions can be very subtle.
- Clear and area larger that what you want to record so that you ensure that you capture the margins.

Step 2: Cleaning

- Used sterile water, damp cloths, and compressed air canisters to clean the faces of the inscription and surrounding area.
- Remove all loose dirt, rocks, plant material, or other materials that may obscure inscription or adhere to the latex cast.



Step 3: Digital Photographs

- Digital photographs are a good way to document a resource.
- Take lots of photos, make a photo log, document what you are seeing in the photos so that it's clear what is documented.
- Create backup and long-term storage plan.



Step 4: Digital Scanning

- Utilize a tablet computer and apps that can collect and process LiDAR or photogrammetry data.
- The goal of scanning is to create a3-D image of the inscription.
- Captures the surface and produces a photo realistic image of the item being scanned.
- With current technologies, you can create a render in 3-5 minutes.





Step 5: Latex Casting

- Use liquid latex to make a cast of the inscription surface.
- Used to make a physical record of the inscription.
- Can be used to make new molds of the inscription so it can be recreated in various materials (ex. concrete, plaster, mortar, etc.).



Step 5: Latex Casting

- Apply a liberal amount of latex and allow to dry.
- Apply multiple coats and allow to dry between coats.
- Create a pronounced lip, or use a form, to create the outer edge of the applied latex. This allows for easier removal.
- Once several coats are applied so that the latex does not look "thin" anywhere.
- Begin by peeling back the margins.
- Slowly remove the latex cast by peeling back until it releases completely.



Step 6: Remove Inscriptions

- Try to remove as intact as possible.
- Make a removal plan before you start
- Consider what elements may need additional support or care during the removal process.
- Ensure that you have a proper repository or curation facility to store the original inscriptions after they have been removed.
- Follow recommended protocols for conservation treatments and packaging for the materials under consideration.

So it begins....





And finishes...



Documentation Example for Interpretation & Access

MATT MCDERMOTT, CULTURAL SURVEYS HAWAI'I

ArcGIS Story Maps



Preparing for sea level rise



Urban change 1992-2020



Community-led conservation

What is ArcGIS StoryMaps?

ArcGIS StoryMaps is a story authoring web-based application that allows you to share your maps in the context of narrative text and other multimedia content. You can use ArcGIS StoryMaps to do the following:

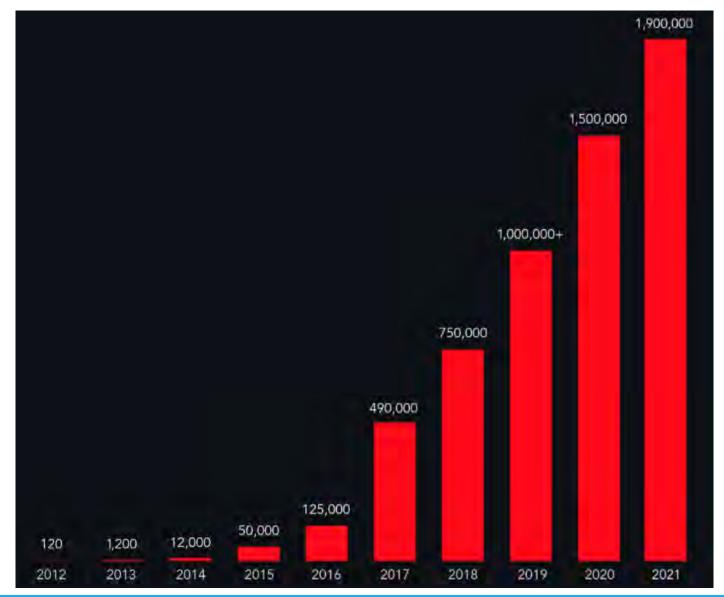
- Author stories with the story builder. Stories can include maps, narrative text, lists, images, videos, embedded items, and other media.
- Author and present dynamic presentations with briefings. Seamlessly integrate live maps, real-time data, multimedia, and more within a slide-based format.
- Publish and share your stories and briefings. Published stories and briefings each have their own URL, and you can use these URLs to share your stories within your organization, to specific groups, or with everyone.
- Create and publish collections. Collections can include stories and ArcGIS web apps bundled together for easy sharing and presenting.
- Manage your stories. View and edit your stories from the Stories page, find stories authored by others in your organization, and add stories to your favorites list.



Story maps are a relatively recent technological innovation that can fill the role of more traditional public interpretation measures, such as physical interpretive signage and self-guided tours with informational placards. Story maps are an application/platform for accessing information and incorporating geographic location data based on GPS and GIS through mobile devices such as smart phones, laptop computers, and tablets.



Innovation and Growth of Story Maps



ArcGIS StoryMaps have grown rapidly in popularity.

Currently 2.2 million ArcGIS StoryMaps are hosted on Esri's cloud service.



Cautions:

- 1. Think about your content and its impact
- 2. Responsibilities of information dissemination
- 3. Potential for mis-use
- 4. Copyright
- 5. Cite all sources



Explore the storied places of Hilo, Hawai'i between the Wailoa and Wailuku Rivers with stories and histories from earliest settlement, through the sugar plantation era and major events of the 20th century.

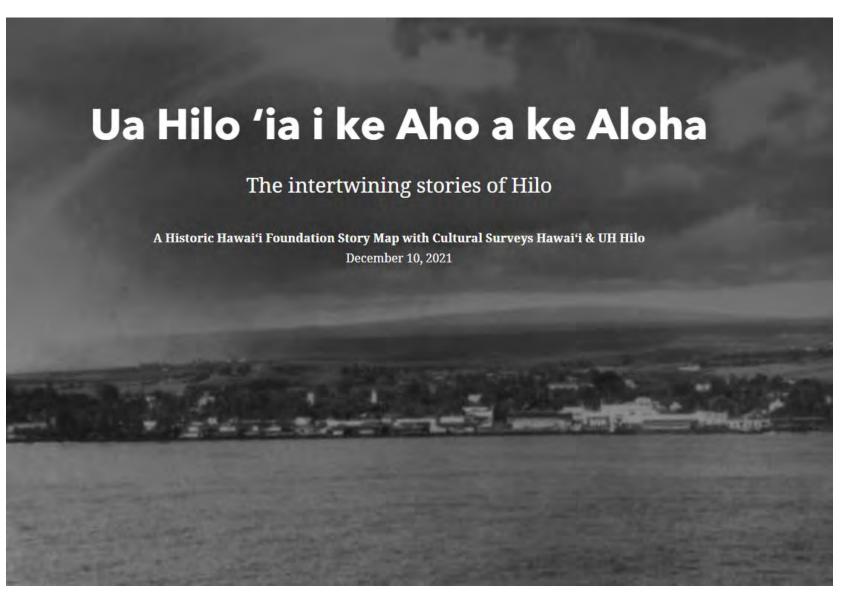


HistoricHawaii.org/storymap-hilo

Hilo Story Map is produced by Historic Hawai'i Foundation and Cultural Surveys Hawai'i. Mahalo to partners University of Hawai'i at Hilo, Lyman Museum and ASM Affiliates. Funding support was provided by the Hawai'i State Foundation on Culture and the Arts.

https://storymaps.arcgis.com/stories/b37 8b80d74054f51816d820581905ba4

HistoricHawaii.org/storymap-hilo



Historic Hawaii Foundation Started its Hawai'i Historic Districts Story Map Program in 2019



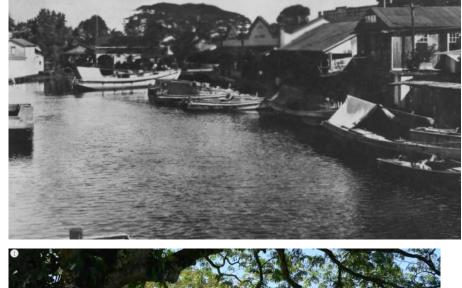




Why Hilo is Ripe for a StoryMap















"Ua hilo 'ia i ke aho a ke aloha"

Braided with the cords of love | Held in the bond of affection

Historic Hawai'i Foundation developed the Hilo Story Map in collaboration with project partners, Cultural Surveys Hawai'i; the University of Hawai'i at Hilo, History Department and Professor Kerri Inglis; ASM Affiliates senior archaeologist Lokelani Brandt; and Lyman Museum. Students from UH Hilo contributed to the research and content of the map as part of their history course curriculum under the direction of Professor Inglis. The project also enlisted three student interns who worked closely with Professor Inglis and contributed research, contextual essays, and photography.

The result is a familiarizing, remembering, and intertwining of the intimate stories of Hilo



Nā Wahi Pana o Hilo

Learn, remember and share the intimate stories of Hilo



Ka Ua Kanilehua o Hilo

The Kanilehua rain of Hilo | Hilo, where the rain moistens the lehua blossoms

Just as the rain, the voices of Hilo spread across the land, satisfied in the resonance

An Early History of Hilo, Hawai'i by Jacob Perry Situated on the eastern slopes of Maunakea, the moku of Hilo on the island of Hawai'i has been a place of cultural, political, economic, and historic significance ever since humans first inhabited the area over a thousand years ago.

"Continue to be steadfast in your love for the land"

Ever evident in the words of Iosepa Kaho'oluhi Nawahi-o-Kalani'opu'u (1896), Hilo is a place of forceful peace, of immovable devotion



Hilo 'Ai Lū'au

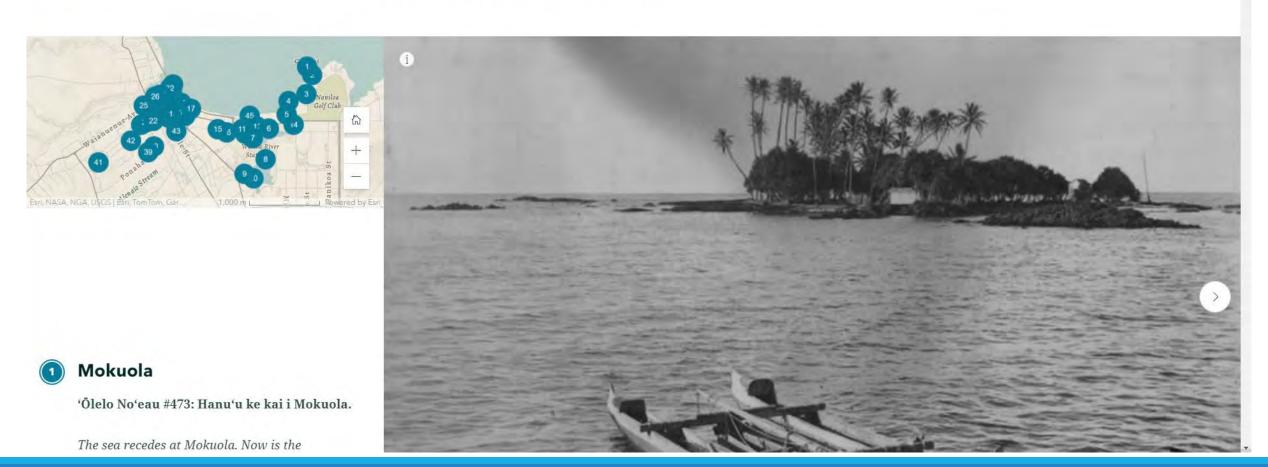
Hilo, eater of taro greens | When storms came... it was impossible to obtain fish...people had to be content with taro greens

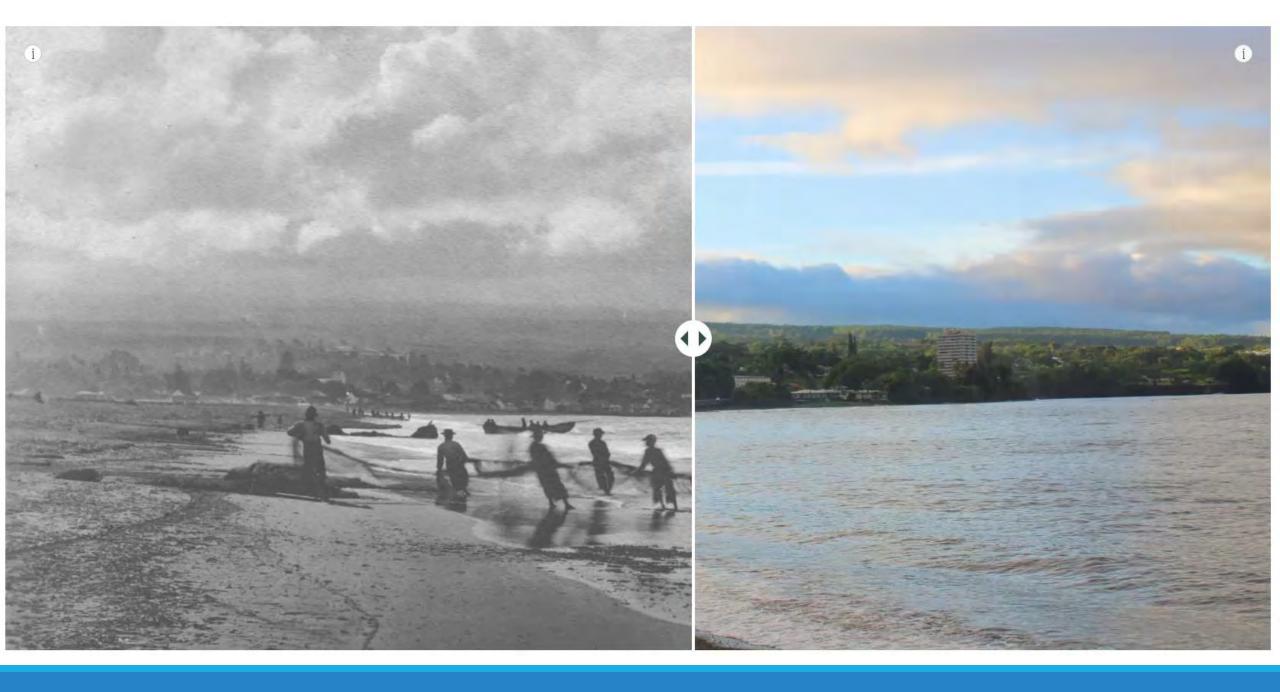
Hilo 'Ai Lū'au

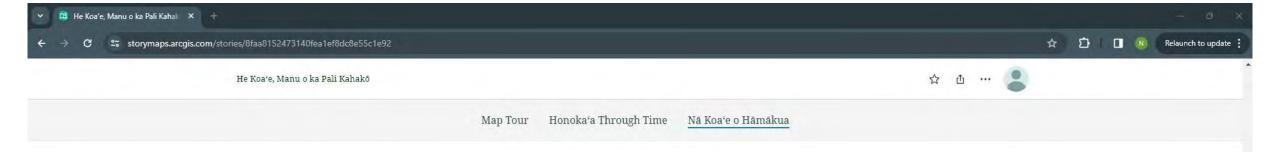
Hilo continues to thrive-soaked in the rain of Kanilehua and nourished between the waters of Wailuku and Wailoa









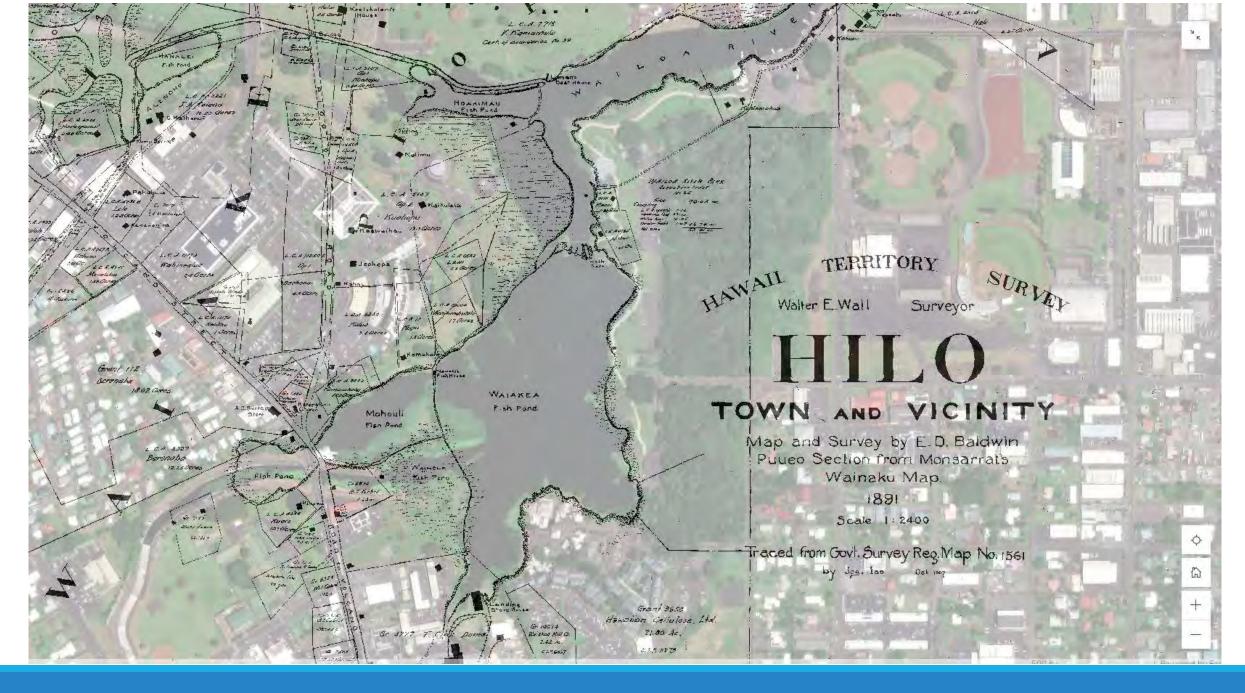


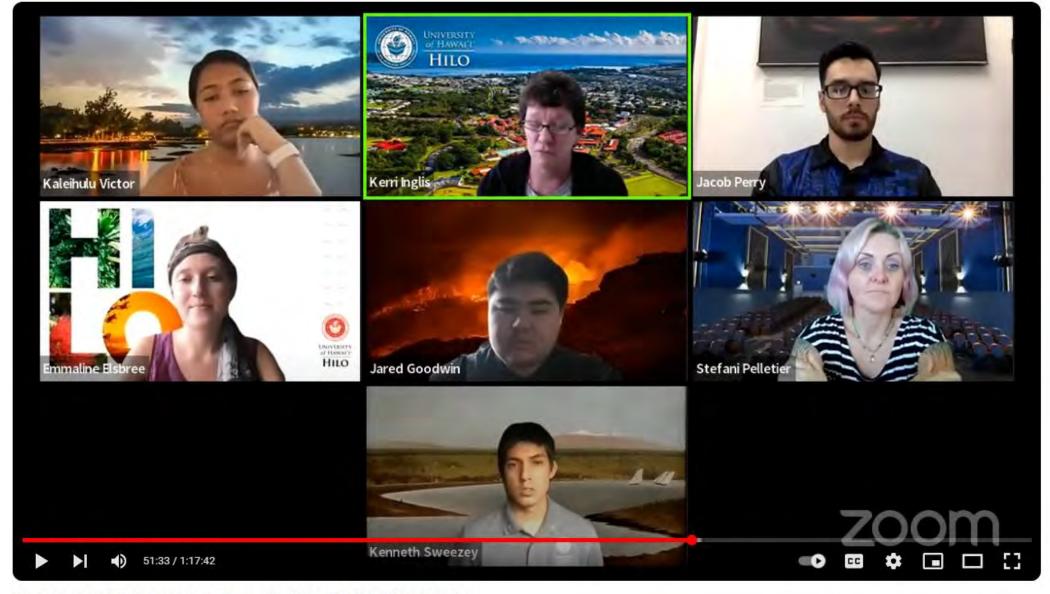
Nā Koa'e o Hāmākua | Voices of Honoka'a



€

John J. Andrade was born in 1918. When John was a young man, his father was killed by a wild horse. Following the accident, John and his siblings helped their mother keep the family businesses running. They had several businesses in Honoka'a Town, which included a slaughter house, meat market, restaurant, bar, hotel dance hall and bus routes. John Andrade became friends with service members during World War II, through his family businesses and his frequent trips to the Marine Training Facility in Waimea.





The Hilo Story Map Project: Presentation and Panel Discussion

View here: https://www.youtube.com/watch?v=oBNkluyC2SM

Wrap Up: StoryMaps as Tools for Documentation and Access

- StoryMaps use growing
- A way to get "gray literature" out into the community
- StoryMaps allow for intertwining of various types/sources of information:
 - a. academic
 - b. CRM/historic preservation
 - c. Community/Stakeholder
- Low-cost—wide dissemination of information
- Easy to provide links for further investigation sources
- No specialized computer or coding skills needed
- Lilia Merrin's upcoming presentation will provide more discussion of StoryMaps and their utility



Kanukuokamanu (literally translated as the-beak-of-the-bird) is a point of shoreline marking the easternmost extent of Hilo Bay. Photo credit Hawai'i State Archives.

Documentation Example for Stewardship, Education & Restoration

LILIA MERRIN, NOHOPAPA HAWAI'I

WAHI HO'ŌLA INVENTORY 'EWA MOKU, O'AHU



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https://www.nps.gov/subjects/heritaged

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HABS/HAER/HALS Resources

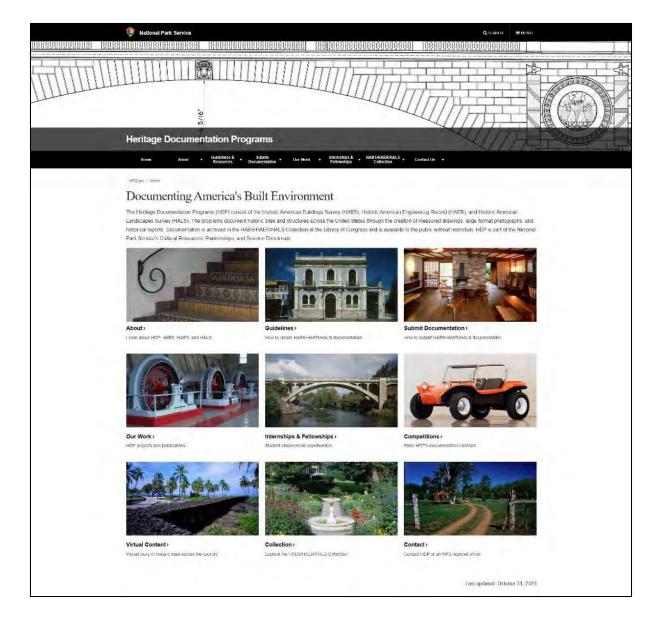
Resources for Completing HABS/HAER/HALS Documentation

HDP develops standards, guidance, and tools to facilitate the completion of HABS/HAER/HALS documentation.

All materials can be found on our new website:

https://www.nps.gov/subjects/heritagedocumentation

Available resources include sample projects, guidelines, instructions on submitting documentation, templates, frequently asked questions, and points of contact.



Initiatives to Improve the HABS/HAER/HALS Program

- Update and consolidate existing drawing, photography, and history guidelines to be more user friendly.
- Issue guidelines to incorporate digital photography into the HABS/HAER/HALS collections.
- Produce templates for drawing sheets and historical reports that will be available for download on the HDP website.
- Issue written guidance that establishes a uniform process for submitting documentation for incorporation in the LOC collections.



GENERAL RESOURCES

Further Reading and Reference Materials

- Heritage Documentation Programs: https://www.nps.gov/subjects/heritagedocumentation/index.htm
- Virtual Content: https://www.nps.gov/subjects/heritagedocumentation/virtual-content-overview.htm
- About the Historic American Buildings Survey/Historic American Engineering Record/Historic American Landscapes Survey https://www.loc.gov/pictures/collection/hh/
- Historic Property Project Documentation Overview: https://www.nps.gov/articles/000/hppd-overview.htm
- About HABS and Hawai'i Examples: https://historichawaii.org/2021/07/01/the-historic-american-buildings-survey/

Audience Questions

E-NEWSLETTER SIGN-UP

https://historichawaii.org/newsletter-signup/

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